L Number	Hits	Search Text	DB	Time stamp
1	631	536/20	USPAT; US-PGPUB; EPO; DERWENT	2003/04/01 16:15
2	356	536/20 and chitosan	USPAT; US-PGPUB; EPO; DERWENT	2003/04/01 16:15
3	231	(536/20 and chitosan) and composition	USPAT; US-PGPUB; EPO; DERWENT	2003/04/01 16:15
4	226	((536/20 and chitosan) and composition) and (aqueous or water)	USPAT; US-PGPUB; EPO; DERWENT	2003/04/01 16:16
5	131	(((536/20 and chitosan) and composition) and (aqueous or water)) and viscosity	USPAT; US-PGPUB; EPO; DERWENT	2003/04/01 16:16
6	126	((((536/20 and chitosan) and composition) and (aqueous or water)) and viscosity) and (cationi$ (w) derivat$)	USPAT; US-PGPUB; EPO; DERWENT	2003/04/01 16:17
7	75	(((((536/20 and chitosan) and composition) and (aqueous or water)) and viscosity) and (cationi$ (w) derivat$)) and precipit$	USPAT; US-PGPUB; EPO; DERWENT	2003/04/01 16:17
8	73	((((((536/20 and chitosan) and composition) and (aqueous or water)) and viscosity) and (cationi$ (w) derivat$)) and precipit$) and (hydroxide or phosphate or carbonate or base)	USPAT; US-PGPUB; EPO; DERWENT	2003/04/01 16:19
9	68	(((((((536/20 and chitosan) and composition) and (aqueous or water)) and viscosity) and (cationi$ (w) derivat$)) and precipit$) and (hydroxide or phosphate or carbonate or base)) and pH	USPAT; US-PGPUB; EPO; DERWENT	2003/04/01 16:19
10	8	(((((((((536/20 and chitosan) and composition) and (aqueous or water)) and viscosity) and (cationi$ (w) derivat$)) and precipit$) and (hydroxide or phosphate or carbonate or base)) and pH) and (freeze-dry$ or freeze ADJ dry$)	USPAT; US-PGPUB; EPO; DERWENT	2003/04/01 16:24
11	306	(536/20 and chitosan) and (hydroxide or phosphate or carbonate or base)	USPAT; US-PGPUB; EPO; DERWENT	2003/04/01 16:25
12	193	((536/20 and chitosan) and (hydroxide or phosphate or carbonate or base)) and preci$	USPAT; US-PGPUB; EPO; DERWENT	2003/04/01 16:25
13	104	(((536/20 and chitosan) and (hydroxide or phosphate or carbonate or base)) and preci$) and viscosity	USPAT; US-PGPUB; EPO; DERWENT	2003/04/01 16:26
14	93	((((536/20 and chitosan) and (hydroxide or phosphate or carbonate or base)) and preci$) and viscosity) and (freeze (w) dry$)	USPAT; US-PGPUB; EPO; DERWENT	2003/04/01 16:27

Connecting via Winsock to STN

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LOGINID:ssspta1623kxg

PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * * * Welcome to STN International * * * * * * * * * *

NEWS 1		Web Page URLs for STN Seminar Schedule - N. America
NEWS 2	Apr 08	"Ask CAS" for self-help around the clock
NEWS 3	Apr 09	BEILSTEIN: Reload and Implementation of a New Subject Area
NEWS 4	Apr 09	ZDB will be removed from STN
NEWS 5	Apr 19	US Patent Applications available in IFICDB, IFIPAT, and IFIUDB
NEWS 6	Apr 22	Records from IP.com available in CAPLUS, HCAPLUS, and ZCAPLUS
NEWS 7	Apr 22	BIOSIS Gene Names now available in TOXCENTER
NEWS 8	Apr 22	Federal Research in Progress (FEDRIP) now available
NEWS 9	Jun 03	New e-mail delivery for search results now available
NEWS 10	Jun 10	MEDLINE Reload
NEWS 11	Jun 10	PCTFULL has been reloaded
NEWS 12	Jul 02	FOREGE no longer contains STANDARDS file segment
NEWS 13	Jul 22	USAN to be reloaded July 28, 2002; saved answer sets no longer valid
NEWS 14	Jul 29	Enhanced polymer searching in REGISTRY
NEWS 15	Jul 30	NETFIRST to be removed from STN
NEWS 16	Aug 08	CANCERLIT reload
NEWS 17	Aug 08	PHARMAMarketLetter(PHARMAML) - new on STN
NEWS 18	Aug 08	NTIS has been reloaded and enhanced
NEWS 19	Aug 19	Aquatic Toxicity Information Retrieval (AQUIRE) now available on STN
NEWS 20	Aug 19	IFIPAT, IFICDB, and IFIUDB have been reloaded
NEWS 21	Aug 19	The MEDLINE file segment of TOXCENTER has been reloaded
NEWS 22	Aug 26	Sequence searching in REGISTRY enhanced
NEWS 23	Sep 03	JAPIO has been reloaded and enhanced
NEWS 24	Sep 16	Experimental properties added to the REGISTRY file
NEWS 25	Sep 16	CA Section Thesaurus available in CAPLUS and CA
NEWS 26	Oct 01	CASREACT Enriched with Reactions from 1907 to 1985
NEWS 27	Oct 21	EVENTLINE has been reloaded
NEWS 28	Oct 24	BEILSTEIN adds new search fields
NEWS 29	Oct 24	Nutraceuticals International (NUTRACEUT) now available on STN
NEWS 30	Oct 25	MEDLINE SDI run of October 8, 2002
NEWS 31	Nov 18	DKILIT has been renamed APOLLIT
NEWS 32	Nov 25	More calculated properties added to REGISTRY
NEWS 33	Dec 02	TIBKAT will be removed from STN
NEWS 34	Dec 04	CSA files on STN
NEWS 35	Dec 17	PCTFULL now covers WP/PCT Applications from 1978 to date
NEWS 36	Dec 17	TOXCENTER enhanced with additional content
NEWS 37	Dec 17	Adis Clinical Trials Insight now available on STN
NEWS 38	Dec 30	ISMEC no longer available
NEWS 39	Jan 21	NUTRACEUT offering one free connect hour in February 2003
NEWS 40	Jan 21	PHARMAML offering one free connect hour in February 2003
NEWS 41	Jan 29	Simultaneous left and right truncation added to COMPENDEX, ENERGY, INSPEC
NEWS 42	Feb 13	CANCERLIT is no longer being updated
NEWS 43	Feb 24	METADEX enhancements
NEWS 44	Feb 24	PCTGEN now available on STN
NEWS 45	Feb 24	TEMA now available on STN

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 NEWS 46  Feb 26  NTIS now allows simultaneous left and right truncation
 NEWS 47  Feb 26  PCTFULL now contains images
 NEWS 48  Mar 04  SDI PACKAGE for monthly delivery of multifile SDI results
 NEWS 49  Mar 19  APOLLIT offering free connect time in April 2003
 NEWS 50  Mar 20  EVENTLINE will be removed from STN
 NEWS 51  Mar 24  PATDPAFULL now available on STN
 NEWS 52  Mar 24  Additional information for trade-named substances without
                  structures available in REGISTRY
 NEWS 53  Mar 24  Indexing from 1957 to 1966 added to records in CA/CAPLUS

 NEWS EXPRESS  January 6 CURRENT WINDOWS VERSION IS V6.01a,
               CURRENT MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP),
               AND CURRENT DISCOVER FILE IS DATED 01 OCTOBER 2002
 NEWS HOURS    STN Operating Hours Plus Help Desk Availability
 NEWS INTER    General Internet Information
 NEWS LOGIN    Welcome Banner and News Items
 NEWS PHONE    Direct Dial and Telecommunication Network Access to STN
 NEWS WWW      CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that
specific topic.

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  * * * * * * * * * * * * * STN  Columbus  * * * * * * * * * * * * * * *



FILE 'HOME' ENTERED AT 15:42:23 ON 01 APR 2003

=> index polymers
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                       ENTRY    SESSION
FULL ESTIMATED COST                                     0.21       0.21

INDEX 'APOLLIT, BABS, CAPLUS, CBNB, CEN, CIN, EMA, IFIPAT, JICST-EPLUS, PASCAL,
       PLASNEWS, PROMT, RAPRA, SCISEARCH, TEXTILETECH, USPATFULL, USPAT2, WPIDS,
       WPINDEX, WTEXTILES' ENTERED AT 15:42:40 ON 01 APR 2003

20 FILES IN THE FILE LIST IN STNINDEX

Enter SET DETAIL ON to see search term postings or to view
search error messages that display as 0* with SET DETAIL OFF.

=> s chitosan
         886   FILE APOLLIT
         371   FILE BABS
       14000   FILE CAPLUS
         139   FILE CBNB
           9   FILE CEN
         120   FILE CIN
          35   FILE EMA
        1659   FILE IFIPAT
        2450   FILE JICST-EPLUS
        2923   FILE PASCAL
         561   FILE PROMT
         602   FILE RAPRA
        4724   FILE SCISEARCH
         334   FILE TEXTILETECH
```

```
        5774   FILE USPATFULL
         199   FILE USPAT2
        4777   FILE WPIDS
        4777   FILE WPINDEX
         250   FILE WTEXTILES

  19 FILES HAVE ONE OR MORE ANSWERS,   20 FILES SEARCHED IN STNINDEX

L1   QUE CHITOSAN

=> s l1 and (aqueous or water)
         381   FILE APOLLIT
         113   FILE BABS
        4974   FILE CAPLUS
          28   FILE CBNB
           5   FILE CEN
          20   FILE CIN
           7   FILE EMA
        1035   FILE IFIPAT
         584   FILE JICST-EPLUS
        1004   FILE PASCAL
         198   FILE PROMT
         274   FILE RAPRA
        1455   FILE SCISEARCH
         121   FILE TEXTILETECH
        5580   FILE USPATFULL
         198   FILE USPAT2
        2588   FILE WPIDS
  18 FILES SEARCHED...
        2588   FILE WPINDEX
          71   FILE WTEXTILES

  19 FILES HAVE ONE OR MORE ANSWERS,   20 FILES SEARCHED IN STNINDEX

L2   QUE L1 AND (AQUEOUS OR WATER)

=> s l2 and visco?
          48   FILE APOLLIT
           9   FILE BABS
         448   FILE CAPLUS
           1   FILE CBNB
           2   FILE CEN
         151   FILE IFIPAT
          28   FILE JICST-EPLUS
         125   FILE PASCAL
          30   FILE PROMT
          28   FILE RAPRA
         149   FILE SCISEARCH
          18   FILE TEXTILETECH
        3095   FILE USPATFULL
  16 FILES SEARCHED...
         103   FILE USPAT2
         297   FILE WPIDS
         297   FILE WPINDEX
           9   FILE WTEXTILES

  17 FILES HAVE ONE OR MORE ANSWERS,   20 FILES SEARCHED IN STNINDEX

L3   QUE L2 AND VISCO?

=> s l3 and (crosslink? or cross-link? and free)
          12   FILE APOLLIT
          43   FILE CAPLUS
           1   FILE CEN
```

```
         26   FILE IFIPAT
          2   FILE JICST-EPLUS
          8   FILE PASCAL
  10 FILES SEARCHED...
          9   FILE PROMT
          4   FILE RAPRA
         10   FILE SCISEARCH
          1   FILE TEXTILETECH
       1681   FILE USPATFULL
         52   FILE USPAT2
         30   FILE WPIDS
  18 FILES SEARCHED...
         30   FILE WPINDEX

  14 FILES HAVE ONE OR MORE ANSWERS,   20 FILES SEARCHED IN STNINDEX

L4   QUE L3 AND (CROSSLINK? OR CROSS-LINK? AND FREE)

=> s l4 and precipit?
          1   FILE APOLLIT
          4   FILE CAPLUS
          4   FILE IFIPAT
          2   FILE PASCAL
  10 FILES SEARCHED...
          1   FILE PROMT
          2   FILE SCISEARCH
        918   FILE USPATFULL
         28   FILE USPAT2
          3   FILE WPIDS
  18 FILES SEARCHED...
          3   FILE WPINDEX

  10 FILES HAVE ONE OR MORE ANSWERS,   20 FILES SEARCHED IN STNINDEX

L5   QUE L4 AND PRECIPIT?

=> s l5 and (carbonate or phosphate or hydroxide ammonia or base)
          3   FILE IFIPAT
  10 FILES SEARCHED...
          1   FILE PROMT
        877   FILE USPATFULL
         28   FILE USPAT2
  17 FILES SEARCHED...
          3   FILE WPIDS
          3   FILE WPINDEX
  19 FILES SEARCHED...

   6 FILES HAVE ONE OR MORE ANSWERS,   20 FILES SEARCHED IN STNINDEX

L6   QUE L5 AND (CARBONATE OR PHOSPHATE OR HYDROXIDE AMMONIA OR BASE)

=> s l6 and (dimension or pH)
          3   FILE IFIPAT
   9 FILES SEARCHED...
          1   FILE PROMT
        804   FILE USPATFULL
  16 FILES SEARCHED...
         25   FILE USPAT2
          3   FILE WPIDS
  18 FILES SEARCHED...
          3   FILE WPINDEX

   6 FILES HAVE ONE OR MORE ANSWERS,   20 FILES SEARCHED IN STNINDEX
```

```
L7   QUE L6 AND (DIMENSION OR PH)

=> file uspatfull
COST IN U.S. DOLLARS                                    SINCE FILE      TOTAL
                                                           ENTRY    SESSION
FULL ESTIMATED COST                                        10.45      10.66

FILE 'USPATFULL' ENTERED AT 15:54:08 ON 01 APR 2003
CA INDEXING COPYRIGHT (C) 2003 AMERICAN CHEMICAL SOCIETY (ACS)

FILE COVERS 1971 TO PATENT PUBLICATION DATE: 1 Apr 2003 (20030401/PD)
FILE LAST UPDATED: 1 Apr 2003 (20030401/ED)
HIGHEST GRANTED PATENT NUMBER: US6543053
HIGHEST APPLICATION PUBLICATION NUMBER: US2003061649
CA INDEXING IS CURRENT THROUGH 1 Apr 2003 (20030401/UPCA)
ISSUE CLASS FIELDS (/INCL) CURRENT THROUGH: 1 Apr 2003 (20030401/PD)
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Feb 2003
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Feb 2003

>>>  USPAT2 is now available.  USPATFULL contains full text of the     <<<
>>>  original, i.e., the earliest published granted patents or         <<<
>>>  applications.  USPAT2 contains full text of the latest US         <<<
>>>  publications, starting in 2001, for the inventions covered in     <<<
>>>  USPATFULL.  A USPATFULL record contains not only the original     <<<
>>>  published document but also a list of any subsequent              <<<
>>>  publications.  The publication number, patent kind code, and      <<<
>>>  publication date for all the US publications for an invention     <<<
>>>  are displayed in the PI (Patent Information) field of USPATFULL   <<<
>>>  records and may be searched in standard search fields, e.g., /PN, <<<
>>>  /PK, etc.                                                         <<<

>>>  USPATFULL and USPAT2 can be accessed and searched together        <<<
>>>  through the new cluster USPATALL.  Type FILE USPATALL to          <<<
>>>  enter this cluster.                                               <<<
>>>                                                                    <<<
>>>  Use USPATALL when searching terms such as patent assignees,       <<<
>>>  classifications, or claims, that may potentially change from      <<<
>>>  the earliest to the latest publication.                           <<<

This file contains CAS Registry Numbers for easy and accurate
substance identification.

=> s l7 and composition
          5537 CHITOSAN
           570 CHITOSANS
          5774 CHITOSAN
                 (CHITOSAN OR CHITOSANS)
        441231 AQUEOUS
             1 AQUEOUSES
        441231 AQUEOUS
                 (AQUEOUS OR AQUEOUSES)
       1012588 WATER
         32260 WATERS
       1014723 WATER
                 (WATER OR WATERS)
        326380 VISCO?
         98912 CROSSLINK?
       1524990 CROSS
         47586 CROSSES
       1540421 CROSS
                 (CROSS OR CROSSES)
        606719 LINK?
         97076 CROSS-LINK?
                 (CROSS(W)LINK?)
```

```
        1176797 FREE
          15950 FREES
        1182475 FREE
                  (FREE OR FREES)
         288899 PRECIPIT?
         225731 CARBONATE
          60354 CARBONATES
         241700 CARBONATE
                  (CARBONATE OR CARBONATES)
         218307 PHOSPHATE
          56047 PHOSPHATES
         236278 PHOSPHATE
                  (PHOSPHATE OR PHOSPHATES)
         249891 HYDROXIDE
          55471 HYDROXIDES
         261014 HYDROXIDE
                  (HYDROXIDE OR HYDROXIDES)
         126237 AMMONIA
            135 AMMONIAS
         126297 AMMONIA
                  (AMMONIA OR AMMONIAS)
           2584 HYDROXIDE AMMONIA
                  (HYDROXIDE(W)AMMONIA)
        1114550 BASE
         188905 BASES
        1150245 BASE
                  (BASE OR BASES)
         325654 DIMENSION
         480967 DIMENSIONS
         658344 DIMENSION
                  (DIMENSION OR DIMENSIONS)
         331903 PH
           7153 PHS
         334737 PH
                  (PH OR PHS)
         647080 COMPOSITION
         393108 COMPOSITIONS
         697544 COMPOSITION
                  (COMPOSITION OR COMPOSITIONS)
L8          746 L7 AND COMPOSITION

=> s l8 and (cationic? and derivat?)
          81264 CATIONIC?
         358051 DERIVAT?
L9          405 L8 AND (CATIONIC? AND DERIVAT?)

=> s l9 and (crosslink (w) free or crosslink-free or crosslinker-free)
          16444 CROSSLINK
           7775 CROSSLINKS
          21085 CROSSLINK
                  (CROSSLINK OR CROSSLINKS)
        1176797 FREE
          15950 FREES
        1182475 FREE
                  (FREE OR FREES)
             16 CROSSLINK (W) FREE
          16444 CROSSLINK
           7775 CROSSLINKS
          21085 CROSSLINK
                  (CROSSLINK OR CROSSLINKS)
        1176797 FREE
          15950 FREES
        1182475 FREE
                  (FREE OR FREES)
```

```
            16 CROSSLINK-FREE
                 (CROSSLINK(W)FREE)
          8857 CROSSLINKER
          5859 CROSSLINKERS
         11333 CROSSLINKER
                 (CROSSLINKER OR CROSSLINKERS)
       1176797 FREE
         15950 FREES
       1182475 FREE
                 (FREE OR FREES)
            11 CROSSLINKER-FREE
                 (CROSSLINKER(W)FREE)
L10          1 L9 AND (CROSSLINK (W) FREE OR CROSSLINK-FREE OR CROSSLINKER-FREE
                 )

=> dis l10 bib abs

L10  ANSWER 1 OF 1  USPATFULL
AN     2002:243051  USPATFULL
TI     Compositions and methods for the therapy and diagnosis of
       ovarian cancer
IN     Algate, Paul A., Issaquah, WA, UNITED STATES
       Jones, Robert, Seattle, WA, UNITED STATES
       Harlocker, Susan L., Seattle, WA, UNITED STATES
PA     Corixa Corporation, Seattle, WA, UNITED STATES, 98104 (U.S. corporation)
PI     US 2002132237      A1   20020919
AI     US 2001-867701     A1   20010529 (9)
PRAI   US 2000-207484P     20000526 (60)
DT     Utility
FS     APPLICATION
LREP   SEED INTELLECTUAL PROPERTY LAW GROUP PLLC, 701 FIFTH AVE, SUITE 6300,
       SEATTLE, WA, 98104-7092
CLMN   Number of Claims: 11
ECL    Exemplary Claim: 1
DRWN   No Drawings
LN.CNT 25718
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB     Compositions and methods for the therapy and diagnosis of
       cancer, particularly ovarian cancer, are disclosed. Illustrative
       compositions comprise one or more ovarian tumor polypeptides,
       immunogenic portions thereof, polynucleotides that encode such
       polypeptides, antigen presenting cell that expresses such polypeptides,
       and T cells that are specific for cells expressing such polypeptides.
       The disclosed compositions are useful, for example, in the
       diagnosis, prevention and/or treatment of diseases, particularly ovarian
       cancer.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.


=> dis hist

     (FILE 'HOME' ENTERED AT 15:42:23 ON 01 APR 2003)

     INDEX 'APOLLIT, BABS, CAPLUS, CBNB, CEN, CIN, EMA, IFIPAT, JICST-EPLUS,
     PASCAL, PLASNEWS, PROMT, RAPRA, SCISEARCH, TEXTILETECH, USPATFULL,
     USPAT2, WPIDS, WPINDEX, WTEXTILES' ENTERED AT 15:42:40 ON 01 APR 2003
               SEA CHITOSAN
              ---------
            886   FILE APOLLIT
            371   FILE BABS
          14000   FILE CAPLUS
            139   FILE CBNB
              9   FILE CEN
```

```
              120   FILE CIN
               35   FILE EMA
             1659   FILE IFIPAT
             2450   FILE JICST-EPLUS
             2923   FILE PASCAL
              561   FILE PROMT
              602   FILE RAPRA
             4724   FILE SCISEARCH
              334   FILE TEXTILETECH
             5774   FILE USPATFULL
              199   FILE USPAT2
             4777   FILE WPIDS
             4777   FILE WPINDEX
              250   FILE WTEXTILES
L1               QUE CHITOSAN
                 ---------
                 SEA L1 AND (AQUEOUS OR WATER)
                 ---------
              381   FILE APOLLIT
              113   FILE BABS
             4974   FILE CAPLUS
               28   FILE CBNB
                5   FILE CEN
               20   FILE CIN
                7   FILE EMA
             1035   FILE IFIPAT
              584   FILE JICST-EPLUS
             1004   FILE PASCAL
              198   FILE PROMT
              274   FILE RAPRA
             1455   FILE SCISEARCH
              121   FILE TEXTILETECH
             5580   FILE USPATFULL
              198   FILE USPAT2
             2588   FILE WPIDS
             2588   FILE WPINDEX
               71   FILE WTEXTILES
L2               QUE L1 AND (AQUEOUS OR WATER)
                 ---------
                 SEA L2 AND VISCO?
                 ---------
               48   FILE APOLLIT
                9   FILE BABS
              448   FILE CAPLUS
                1   FILE CBNB
                2   FILE CEN
              151   FILE IFIPAT
               28   FILE JICST-EPLUS
              125   FILE PASCAL
               30   FILE PROMT
               28   FILE RAPRA
              149   FILE SCISEARCH
               18   FILE TEXTILETECH
             3095   FILE USPATFULL
              103   FILE USPAT2
              297   FILE WPIDS
              297   FILE WPINDEX
                9   FILE WTEXTILES
L3               QUE L2 AND VISCO?
                 ---------
                 SEA L3 AND (CROSSLINK? OR CROSS-LINK? AND FREE)
                 ---------
               12   FILE APOLLIT
               43   FILE CAPLUS
```

```
                1   FILE CEN
               26   FILE IFIPAT
                2   FILE JICST-EPLUS
                8   FILE PASCAL
                9   FILE PROMT
                4   FILE RAPRA
               10   FILE SCISEARCH
                1   FILE TEXTILETECH
             1681   FILE USPATFULL
               52   FILE USPAT2
               30   FILE WPIDS
               30   FILE WPINDEX
L4              QUE L3 AND (CROSSLINK? OR CROSS-LINK? AND FREE)
                ---------
                SEA L4 AND PRECIPIT?
                ---------
                1   FILE APOLLIT
                4   FILE CAPLUS
                4   FILE IFIPAT
                2   FILE PASCAL
                1   FILE PROMT
                2   FILE SCISEARCH
              918   FILE USPATFULL
               28   FILE USPAT2
                3   FILE WPIDS
                3   FILE WPINDEX
L5              QUE L4 AND PRECIPIT?
                ---------
                SEA L5 AND (CARBONATE OR PHOSPHATE OR HYDROXIDE AMMONIA OR BASE
                ---------
                3   FILE IFIPAT
                1   FILE PROMT
              877   FILE USPATFULL
               28   FILE USPAT2
                3   FILE WPIDS
                3   FILE WPINDEX
L6              QUE L5 AND (CARBONATE OR PHOSPHATE OR HYDROXIDE AMMONIA OR BASE
                ---------
                SEA L6 AND (DIMENSION OR PH)
                ---------
                3   FILE IFIPAT
                1   FILE PROMT
              804   FILE USPATFULL
               25   FILE USPAT2
                3   FILE WPIDS
                3   FILE WPINDEX
L7              QUE L6 AND (DIMENSION OR PH)
                ---------

     FILE 'USPATFULL' ENTERED AT 15:54:08 ON 01 APR 2003
L8           746 S L7 AND COMPOSITION
L9           405 S L8 AND (CATIONIC? AND DERIVAT?)
L10            1 S L9 AND (CROSSLINK (W) FREE OR CROSSLINK-FREE OR CROSSLINKER-F

=> s l9 and (struct? and three (w) dimensio?)
       1735414 STRUCT?
       1523274 THREE
           799 THREES
       1523347 THREE
                 (THREE OR THREES)
        909507 DIMENSIO?
        126575 THREE (W) DIMENSIO?
L11        124 L9 AND (STRUCT? AND THREE (W) DIMENSIO?)
```

```
=> s l11 and process
       1620666 PROCESS
        705522 PROCESSES
       1704156 PROCESS
                 (PROCESS OR PROCESSES)
L12          123 L11 AND PROCESS

=> s l12 and pH
        331903 PH
          7153 PHS
        334737 PH
                 (PH OR PHS)
L13          122 L12 AND PH

=> s l13 and (freeze and drying or freeze-drying or freeze (w) drying)
         62699 FREEZE
          7932 FREEZES
         67101 FREEZE
                 (FREEZE OR FREEZES)
        304442 DRYING
           279 DRYINGS
        304497 DRYING
                 (DRYING OR DRYINGS)
         62699 FREEZE
          7932 FREEZES
         67101 FREEZE
                 (FREEZE OR FREEZES)
        304442 DRYING
           279 DRYINGS
        304497 DRYING
                 (DRYING OR DRYINGS)
         14264 FREEZE-DRYING
                 (FREEZE(W)DRYING)
         62699 FREEZE
          7932 FREEZES
         67101 FREEZE
                 (FREEZE OR FREEZES)
        304442 DRYING
           279 DRYINGS
        304497 DRYING
                 (DRYING OR DRYINGS)
         14264 FREEZE (W) DRYING
L14          45 L13 AND (FREEZE AND DRYING OR FREEZE-DRYING OR FREEZE (W) DRYING
                )

=> dis l14 1-45 bib abs

L14  ANSWER 1 OF 45  USPATFULL
AN     2003:85870  USPATFULL
TI     Sustained release microspheres
IN     Scott, Terrence L., Winchester, MA, UNITED STATES
       Brown, Larry R., Newton, MA, UNITED STATES
       Riske, Frank J., Stoughton, MA, UNITED STATES
       Blizzard, Charles D., Westwood, MA, UNITED STATES
       Rashba-Step, Julia, Newton, MA, UNITED STATES
PI     US 2003059474      A1   20030327
AI     US 2002-245776     A1   20020917 (10)
RLI    Continuation of Ser. No. US 1999-420361, filed on 18 Oct 1999, GRANTED,
       Pat. No. US 6458387
DT     Utility
FS     APPLICATION
LREP   John R. Van Amsterdam, Ph.D., Wolf, Greenfield & Sacks, P.C., 600
       Atlantic Avenue, Boston, MA, 02210
CLMN   Number of Claims: 65
```

ECL Exemplary Claim: 1
DRWN 7 Drawing Page(s)
LN.CNT 2700
AB Methods for forming sustained release microspheres and the products produced thereby are provided. The microspheres have a smooth surface that includes a plurality of channel openings that are less than 1000 angstroms in diameter.

L14 ANSWER 2 OF 45 USPATFULL
AN 2003:79218 USPATFULL
TI **Water**-dispersible, **cationic** polymers, a method of making same and items using same
IN Chang, Yihua, Portland, OR, UNITED STATES
Branham, Kelly D., Winneconne, WI, UNITED STATES
Lang, Frederick J., Neenah, WI, UNITED STATES
McBride, Erin, Neenah, WI, UNITED STATES
Bunyard, Clay, Neenah, WI, UNITED STATES
PI US 2003055146 A1 20030320
AI US 2001-815169 A1 20010322 (9)
DT Utility
FS APPLICATION
LREP JOHN S. PRATT, KILPATRICK STOCKTON LLP (KIMBERLY CLARK), 1100 PEACHTREE STREET, SUITE 2800, ATLANTA, GA, 30309
CLMN Number of Claims: 34
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 2940
AB The present invention is directed to triggerable, **water**-dispersible **cationic** polymers. The present invention is also directed to a method of making triggerable, **water**-dispersible **cationic** polymers and their applicability as binder **compositions**. The present invention is further directed to fiber-containing fabrics and webs comprising triggerable, **water**-dispersible binder **compositions** and their applicability in **water**-dispersible personal care products, such as wet wipes.

L14 ANSWER 3 OF 45 USPATFULL
AN 2003:65521 USPATFULL
TI **Water**-dispersible, **cationic** polymers, a method of making same and items using same
IN Chang, Yihua, Portland, OR, UNITED STATES
Lang, Frederick J., Neenah, WI, UNITED STATES
Chen, Franklin M., Portland, OR, UNITED STATES
Branham, Kelly D., Winneconne, WI, UNITED STATES
Wang, Kenneth Y., Alpharetta, GA, UNITED STATES
Schick, Kim G., Menasha, WI, UNITED STATES
Schultz, Walter T., Appleton, WI, UNITED STATES
PI US 2003045645 A1 20030306
AI US 2001-814403 A1 20010322 (9)
DT Utility
FS APPLICATION
LREP JOHN S. PRATT, KILPATRICK STOCKTON LLP (KIMBERLY CLARK), 1100 PEACHTREE STREET, SUITE 2800, ATLANTA, GA, 30309
CLMN Number of Claims: 9
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 2894
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention is directed to triggerable, **water**-dispersible **cationic** polymers. The present invention is also directed to a method of making triggerable, **water**-dispersible **cationic** polymers and their applicability as binder

compositions. The present invention is further directed to fiber-containing fabrics and webs comprising triggerable, **water**-dispersible binder **compositions** and their applicability in **water**-dispersible personal care products, such as wet wipes.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L14 ANSWER 4 OF 45 USPATFULL
AN 2003:47498 USPATFULL
TI Methods of imaging and treatment with targeted **compositions**
IN Unger, Evan C., Tucson, AZ, United States
Wu, Yunqiu, Tucson, AZ, United States
PA Bristol-Myers Squibb Medical Imaging, Inc., Princeton, NJ, United States (U.S. corporation)
PI US 6521211 B1 20030218
AI US 1999-243640 19990203 (9)
RLI Continuation-in-part of Ser. No. US 1998-218660, filed on 22 Dec 1998 Continuation-in-part of Ser. No. US 1996-660032, filed on 6 Jun 1996, now abandoned Continuation-in-part of Ser. No. US 1996-640464, filed on 1 May 1996, now abandoned Continuation-in-part of Ser. No. US 1995-497684, filed on 7 Jun 1995, now abandoned
PRAI US 1998-73913P 19980206 (60)
DT Utility
FS GRANTED
EXNAM Primary Examiner: Travers, Russell; Assistant Examiner: Sharareh, Shahnam
LREP Woodcock Washburn LLP
CLMN Number of Claims: 58
ECL Exemplary Claim: 1
DRWN 17 Drawing Figure(s); 12 Drawing Page(s)
LN.CNT 7580
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB Novel ultrasound methods comprising administering to a patient a targeted vesicle **composition** which comprises vesicles comprising a lipid, protein or polymer, encapsulating a gas, in combination with a targeting ligand, and scanning the patient using ultrasound. The scanning may comprise exposing the patient to a first type of ultrasound energy and then interrogating the patient using a second type of ultrasound energy. The targeting ligand preferably targets tissues, cells or receptors, including myocardial cells, endothelial cells, epithelial cells, tumor cells and the glycoprotein GPIIbIIIa receptor. The methods may be used to detect a thrombus, enhancement of an old or echogenic thrombus, low concentrations of vesicles and vesicles targeted to tissues, cells or receptors.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L14 ANSWER 5 OF 45 USPATFULL
AN 2003:45040 USPATFULL
TI **Water**-dispersible, **cationic** polymers, a method of making same and items using same
IN Chang, Yihua, Portland, OR, UNITED STATES
Branham, Kelly D., Winneconne, WI, UNITED STATES
Lang, Frederick J., Neenah, WI, UNITED STATES
McBride, Erin, Neenah, WI, UNITED STATES
Bunyard, Clay, Neenah, WI, UNITED STATES
PI US 2003032352 A1 20030213
AI US 2001-815261 A1 20010322 (9)
DT Utility
FS APPLICATION
LREP JOHN S. PRATT, KILPATRICK STOCKTON LLP (KIMBERLY CLARK), 1100 PEACHTREE STREET, SUITE 2800, ATLANTA, GA, 30309
CLMN Number of Claims: 41
ECL Exemplary Claim: 1

DRWN No Drawings
LN.CNT 2946
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention is directed to triggerable, **water**-dispersible **cationic** polymers. The present invention is also directed to a method of making triggerable, **water**-dispersible **cationic** polymers and their applicability as binder **compositions**. The present invention is further directed to fiber-containing fabrics and webs comprising triggerable, **water**-dispersible binder **compositions** and their applicability in **water**-dispersible personal care products, such as wet wipes.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L14 ANSWER 6 OF 45 USPATFULL
AN 2003:37824 USPATFULL
TI **Water**-dispersible, **cationic** polymers, a method of making same and items using same
IN Chang, Yihua, Portland, OR, UNITED STATES
Lang, Frederick J., Neenah, WI, UNITED STATES
Branham, Kelly D., Winneconne, WI, UNITED STATES
McBride, Erin, Neenah, WI, UNITED STATES
PI US 2003027470 A1 20030206
AI US 2001-815259 A1 20010322 (9)
DT Utility
FS APPLICATION
LREP JOHN S. PRATT, KILPATRICK STOCKTON LLP (KIMBERLY CLARK), 1100 PEACHTREE STREET, SUITE 2800, ATLANTA, GA, 30309
CLMN Number of Claims: 34
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 2952
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention is directed to triggerable, **water**-dispersible **cationic** polymers. The present invention is also directed to a method of making triggerable, **water**-dispersible **cationic** polymers and their applicability as binder **compositions**. The present invention is further directed to fiber-containing fabrics and webs comprising triggerable, **water**-dispersible binder **compositions** and their applicability in **water**-dispersible personal care products, such as wet wipes.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L14 ANSWER 7 OF 45 USPATFULL
AN 2003:37318 USPATFULL
TI **Water**-dispersible, **cationic** polymers, a method of making same and items using same
IN Chang, Yihua, Portland, OR, UNITED STATES
Lang, Frederick J., Neenah, WI, UNITED STATES
Branham, Kelly D., Winneconne, WI, UNITED STATES
McBride, Erin, Neenah, WI, UNITED STATES
PI US 2003026963 A1 20030206
AI US 2001-815251 A1 20010322 (9)
DT Utility
FS APPLICATION
LREP JOHN S. PRATT, KILPATRICK STOCKTON LLP (KIMBERLY CLARK), 1100 PEACHTREE STREET, SUITE 2800, ATLANTA, GA, 30309
CLMN Number of Claims: 21
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 2926
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention is directed to triggerable, **water**

-dispersible **cationic** polymers. The present invention is also directed to a method of making triggerable, **water**-dispersible **cationic** polymers and their applicability as binder **compositions**. The present invention is further directed to fiber-containing fabrics and webs comprising triggerable, **water**-dispersible binder **compositions** and their applicability in **water**-dispersible personal care products, such as wet wipes.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L14 ANSWER 8 OF 45 USPATFULL
AN 2003:30621 USPATFULL
TI **Water**-dispersible, **cationic** polymers, a method of making same and items using same
IN Branham, Kelly D., Winneconne, WI, UNITED STATES
Chang, Yihua, Portland, OR, UNITED STATES
Lang, Frederick J., Neenah, WI, UNITED STATES
McBride, Erin, Neenah, WI, UNITED STATES
Bunyard, Clay, Neenah, WI, UNITED STATES
PI US 2003022568 A1 20030130
AI US 2001-815243 A1 20010322 (9)
DT Utility
FS APPLICATION
LREP JOHN S. PRATT, KILPATRICK STOCKTON LLP (KIMBERLY CLARK), 1100 PEACHTREE STREET, SUITE 2800, ATLANTA, GA, 30309
CLMN Number of Claims: 25
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 2928
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention is directed to triggerable, **water**-dispersible **cationic** polymers. The present invention is also directed to a method of making triggerable, **water**-dispersible **cationic** polymers and their applicability as binder **compositions**. The present invention is further directed to fiber-containing fabrics and webs comprising triggerable, **water**-dispersible binder **compositions** and their applicability in **water**-dispersible personal care products, such as wet wipes.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L14 ANSWER 9 OF 45 USPATFULL
AN 2003:30295 USPATFULL
TI Particles with improved solubilization capacity
IN Anderson, David, Colonial Heights, VA, UNITED STATES
PI US 2003022242 A1 20030130
AI US 2002-176112 A1 20020621 (10)
PRAI US 2001-300476P 20010623 (60)
DT Utility
FS APPLICATION
LREP WHITHAM, CURTIS & CHRISTOFFERSON, P.C., 11491 SUNSET HILLS ROAD, SUITE 340, RESTON, VA, 20190
CLMN Number of Claims: 204
ECL Exemplary Claim: 1
DRWN 1 Drawing Page(s)
LN.CNT 3885
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB A particle is disclosed that comprises a first volume of hydrophobe-rich material with tunable dissolution and solubilization characteristics and a distinct second volume of nanostructured nonlamellar liquid crystalline material, said second volume containing said first domain and being capable of being in equilibrium with said first volume. Preferably, the nanostructured nonlamellar liquid crystalline material is capable of being in.equilibrium with a polar solvent or a

water-immiscible solvent or both.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L14 ANSWER 10 OF 45 USPATFULL
AN 2003:23733 USPATFULL
TI Polymerase kappa **compositions** and methods thereof
IN Friedberg, Errol C., Dallas, TX, UNITED STATES
Gerlach, Valerie, Branford, CT, UNITED STATES
Feaver, William J., Branford, CT, UNITED STATES
PA Board of Regents, The University of Texas system (U.S. corporation)
PI US 2003017573 A1 20030123
AI US 2001-971101 A1 20011004 (9)
PRAI US 2000-238289P 20001004 (60)
DT Utility
FS APPLICATION
LREP Gina N. Shishima, Fulbright & Jaworski L.L.P., Suite 2400, 600 Congress Avenue, Austin, TX, 78701
CLMN Number of Claims: 76
ECL Exemplary Claim: 1
DRWN 6 Drawing Page(s)
LN.CNT 7042
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention concerns **compositions** and methods involving mammalian polymerase kappa, an enzyme with limited fidelity and moderate processivity. Methods of modulating polymerase kappa activity, such as inhibiting or reducing its activity, as a means of effecting a cancer treatment or preventative agent are provided, both by itself and in combination with other anti-cancer therapies. Also described are methods of screening involving assaying for polymerase kappa activity or expression, in addition to methods of screening for modulators of polymerase kappa to identify anti-cancer compounds.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L14 ANSWER 11 OF 45 USPATFULL
AN 2002:322559 USPATFULL
TI AN IMPROVED METHOD FOR THE PRODUCTION AND PURIFICATION OF ADENOVIRAL VECTORS
IN Zhang, Shuyuan, Sugar Land, TX, UNITED STATES
Thwin, Capucine, Spring, TX, UNITED STATES
Wu, Zheng, Sugar Land, TX, UNITED STATES
Cho, Toohyon, UNITED STATES
Gallagher, Shawn, Missouri City, TX, UNITED STATES
PA Introgen Therapeutics, Inc. (U.S. corporation)
PI US 2002182723 A1 20021205
AI US 2001-880609 A1 20010612 (9)
RLI Division of Ser. No. US 1998-203078, filed on 1 Dec 1998, PENDING
Continuation-in-part of Ser. No. US 1997-975519, filed on 20 Nov 1997, GRANTED, Pat. No. US 6194191
PRAI US 1996-31329P 19961120 (60)
DT Utility
FS APPLICATION
LREP Steven L. Highlander, FULBRIGHT & JAWORSKI L.L.P., Suite 2400, 600 Congress Avenue, Austin, TX, 78701
CLMN Number of Claims: 43
ECL Exemplary Claim: 1
DRWN 49 Drawing Page(s)
LN.CNT 6000
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention addresses the need to improve the yields of viral vectors when grown in cell culture systems. In particular, it has been demonstrated that for adenovirus, the use of low-medium perfusion rates in an attached cell culture system provides for improved yields. In

other embodiments, the inventors have shown that there is improved Ad-p53 production witrh cells grown in serum-**free** conditions, and in particular in serum-**free** suspension culture. Also important to the increase of yields is the use of detergent lysis. Combination of these aspects of the invention permits purification of virus by a single chromatography step that results in purified virus of the same quality as preparations from double CsCl banding using an ultracentrifuge.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L14 ANSWER 12 OF 45 USPATFULL
AN 2002:314404 USPATFULL
TI Ion-sensitive, **water**-dispersible polymers, a method of making same and items using same
IN Cole, Douglas Bryan, Hortonville, WI, UNITED STATES
Shah, Varsha K., Menasha, WI, UNITED STATES
Bevernitz, Kurt J., Little Rock, AR, UNITED STATES
Chen, Franklin M., Appleton, WI, UNITED STATES
Johnson, Eric D., Larsen, WI, UNITED STATES
Lang, Frederick J., Neenah, WI, UNITED STATES
Lindsay, Jeffrey D., Appleton, WI, UNITED STATES
Rivera, Ligia A., Appleton, WI, UNITED STATES
Schick, Kim G., Menasha, WI, UNITED STATES
Stahl, Katherine Denise, Appleton, WI, UNITED STATES
PI US 2002176877 A1 20021128
AI US 2002-58632 A1 20020128 (10)
RLI Division of Ser. No. US 2000-564939, filed on 4 May 2000, PENDING
DT Utility
FS APPLICATION
LREP JOHN S. PRATT, KILPATRICK STOCKTON LLP (KIMBERLY CLARK), 1100 PEACHTREE STREET, SUITE 2800, ATLANTA, GA, 30309
CLMN Number of Claims: 22
ECL Exemplary Claim: 1
DRWN 3 Drawing Page(s)
LN.CNT 3718
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention is directed to ion-sensitive, **water**-dispersible polymers. The present invention is also directed to a method of making ion-sensitive, **water**-dispersible polymers and their applicability as binder **compositions**. The present invention is further directed to fiber-containing fabrics and webs comprising ion-sensitive, **water**-dispersible binder **compositions** and their applicability in **water**-dispersible personal care products.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L14 ANSWER 13 OF 45 USPATFULL
AN 2002:310968 USPATFULL
TI Block and graft copolymers and methods relating thereto
IN Chen, Guohua, Seattle, WA, United States
Hoffman, Allan S., Seattle, WA, United States
PA University of Washington, Seattle, WA, United States (U.S. corporation)
PI US 6486213 B1 20021126
AI US 1995-483475 19950607 (8)
RLI Continuation-in-part of Ser. No. US 1994-205712, filed on 4 Mar 1994, now abandoned
DT Utility
FS GRANTED
EXNAM Primary Examiner: Webman, Edward J.
LREP Seed Intellectual Property Law Group PLLC
CLMN Number of Claims: 21
ECL Exemplary Claim: 1

DRWN 34 Drawing Figure(s); 19 Drawing Page(s)
LN.CNT 2675
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB There is disclosed block and graft copolymers, and hydrogels thereof, which, in one embodiment, contain both a temperature-sensitive polymer component and a **pH**-sensitive polymer component, and the use of such copolymers for topical drug delivery to a treatment area. The block and graft copolymers may be physically mixed with one or more drugs (or with other polymers) to form a copolymer-drug mixture. These mixtures may be applied as solid particles suspended in a pharmaceutically acceptable carrier, or as a liquid which gels upon contact with the treatment area. Upon contact with the treatment area, the **pH** -sensitive polymer component hydrates and swells, thereby causing release of the drug from the mixture. In addition, such hydration and swelling causes the **pH**-sensitive polymer component to adhere to the tissue of the treatment area, thus prolonging contact time. The temperature-sensitive polymer component resists hydration and swelling of the mixture, thereby imparting a sustained and controlled release of the drug to the treatment area. In another embodiment of this invention, block and graft copolymers, and hydrogels thereof, are disclosed having broad industrial applicability.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L14 ANSWER 14 OF 45 USPATFULL
AN 2002:303798 USPATFULL
TI Coated particles, methods of making and using
IN Anderson, David M., Petersburg, VA, United States
PA Select Release, L.C., Midlothian, VA, United States (U.S. corporation)
PI US 6482517 B1 20021119
WO 9912640 19990318
AI US 2000-297997 20000816 (9)
WO 1998-US18639 19980908
20000816 PCT 371 date
PRAI US 1997-58309P 19970909 (60)
DT Utility
FS GRANTED
EXNAM Primary Examiner: Boykin, Terressa M.
LREP Whitham, Curtis & Christofferson, P.C.
CLMN Number of Claims: 116
ECL Exemplary Claim: 1
DRWN 8 Drawing Figure(s); 8 Drawing Page(s)
LN.CNT 4264
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB A particle coated with a nonlamellar crystalline material includes an internal matrix core having at least one nanostructured liquid phase, or at least one nanostructured liquid crystalline phase or a combination of the two is used for the delivery of active agents such as pharmaceuticals, nutrients, pesticides, etc. The coated particle can be fabricated by a variety of different techniques where the exterior coating is a nonlamellar crystalline material.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L14 ANSWER 15 OF 45 USPATFULL
AN 2002:279848 USPATFULL
TI Pre-moistened wipe product
IN Lang, Frederick J., Neenah, WI, UNITED STATES
Chang, Yihua, Podrtland, OR, UNITED STATES
Chen, Franklin M.C., Appleton, WI, UNITED STATES
Dellerman, Paige A., Appleton, WI, UNITED STATES
Johnson, Eric D., Larsen, WI, UNITED STATES
Lindsay, Jeffrey D., Appleton, WI, UNITED STATES
Mumick, Pavneet S., Belle Mead, NJ, UNITED STATES

Pomplun, William S., West End, NC, UNITED STATES
Rivera, Ligia A., Appleton, WI, UNITED STATES
Schick, Kim G., Menasha, WI, UNITED STATES
Schultz, Walter T., Appleton, WI, UNITED STATES
Shah, Varsha K., Streamwood, IL, UNITED STATES
Soerens, Dave A., Neenah, WI, UNITED STATES
Wang, Kenneth Y., Alpharetta, GA, UNITED STATES
Jackson, David M., Roswell, GA, UNITED STATES
Cole, Douglas Bryan, Horntonville, WI, UNITED STATES
Copsey, Barbra Elaine, Clintonville, WI, UNITED STATES
Stahl, Katherine Denise, Appleton, WI, UNITED STATES
PI US 2002155281 A1 20021024
AI US 2001-900698 A1 20010707 (9)
RLI Continuation-in-part of Ser. No. US 2000-564531, filed on 4 May 2000, PENDING
DT Utility
FS APPLICATION
LREP JOHN S. PRATT, KILPATRICK STOCKTON LLP (KIMBERLY CLARK), 1100 PEACHTREE STREET, SUITE 2800, ATLANTA, GA, 30309
CLMN Number of Claims: 55
ECL Exemplary Claim: 1
DRWN 5 Drawing Page(s)
LN.CNT 4251
AB The present invention provides ion-sensitive, **water**-dispersible polymers. The present invention also provides a method of making ion-sensitive, **water**-dispersible polymers and their applicability as binder **compositions**. The present invention further provides fiber-containing fabrics and webs comprising ion-sensitive, **water**-dispersible binder **compositions** and their applicability in **water**-dispersible personal care products.

L14 ANSWER 16 OF 45 USPATFULL
AN 2002:265678 USPATFULL
TI **Water**-dispersible polymers, a method of making same and items using same
IN Mumick, Pavneet S., Belle Mead, NJ, UNITED STATES
Chen, Franklin M.C., Appleton, WI, UNITED STATES
Chang, Yihua, Portland, OR, UNITED STATES
PI US 2002146552 A1 20021010
AI US 2001-775312 A1 20010201 (9)
DT Utility
FS APPLICATION
LREP JOHN S. PRATT, KILPATRICK STOCKTON LLP (KIMBERLY CLARK), 1100 PEACHTREE STREET, SUITE 2800, ATLANTA, GA, 30309
CLMN Number of Claims: 18
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 1840
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention is directed to **water**-dispersible polymers. The present invention is also directed to a method of making **water**-dispersible polymers and their applicability as binder **compositions**. The present invention is further directed to fiber-containing fabrics and webs comprising **water**-dispersible binder **compositions** and their applicability in **water**-dispersible personal care products.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L14 ANSWER 17 OF 45 USPATFULL
AN 2002:254072 USPATFULL
TI Sustained release microspheres

IN Scott, Terrence L., Winchester, MA, United States
Brown, Larry R., Newton, MA, United States
Riske, Frank J., Stoughton, MA, United States
Blizzard, Charles D., Westwood, MA, United States
Rashba-Step, Julia, Newton, MA, United States
PA Epic Therapeutics, Inc., Norwood, MA, United States (U.S. corporation)
PI US 6458387 B1 20021001
AI US 1999-420361 19991018 (9)
DT Utility
FS GRANTED
EXNAM Primary Examiner: Kishore, Gollamudi S.; Assistant Examiner: Pulliam, Amy E
LREP Wolf, Greenfield & Sacks P.C.
CLMN Number of Claims: 28
ECL Exemplary Claim: 1
DRWN 13 Drawing Figure(s); 7 Drawing Page(s)
LN.CNT 2512
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB Methods for forming sustained release microspheres and the products produced thereby are provided. The microspheres have a smooth surface that includes a plurality of channel openings that are less than 1000 angstroms in diameter.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L14 ANSWER 18 OF 45 USPATFULL
AN 2002:246563 USPATFULL
TI Nucleic acids encoding vascular endothelial cell growth factor-E (VEGF-E)
IN Ferrara, Napoleone, San Francisco, CA, United States
Kuo, Sophia S., San Francisco, CA, United States
PA Genentech, Inc., South San Francisco, CA, United States (U.S. corporation)
PI US 6455283 B1 20020924
AI US 1999-265686 19990310 (9)
RLI Continuation-in-part of Ser. No. US 1998-184216, filed on 2 Nov 1998, now abandoned Continuation-in-part of Ser. No. US 1998-40220, filed on 17 Mar 1998
DT Utility
FS GRANTED
EXNAM Primary Examiner: Spector, Lorraine
LREP Cui, Steven X.
CLMN Number of Claims: 7
ECL Exemplary Claim: 1
DRWN 14 Drawing Figure(s); 5 Drawing Page(s)
LN.CNT 4363
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention involves the identification and preparation of vascular endothelial growth factor-E (VEGF-E). VEGF-E is a novel polypeptide related to vascular endothelial growth factor (VEGF) and bone morphogenetic protein 1. VEGF-E has homology to VEGF including conservation of the amino acids required for activity of VEGF. VEGF-E can be useful in wound repair, as well as in the generation and regeneration of tissue.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L14 ANSWER 19 OF 45 USPATFULL
AN 2002:234266 USPATFULL
TI Polarizable electrode for electrical double-layer capacitor, and electrical double -layer capacitor
IN Sato, Takaya, Chiba-shi, JAPAN
Yoshida, Hiroshi, Chiba-shi, JAPAN
Mitsuhashi, Hideto, Chiba-shi, JAPAN

Minamiru, Shigenori, Chiba-shi, JAPAN
Hashimoto, Zenzo, Tokyo, JAPAN
Shimizu, Tatsuo, Tokyo, JAPAN
PI US 2002126439 A1 20020912
AI US 2001-977361 A1 20011016 (9)
PRAI JP 2000-315563 20001016
DT Utility
FS APPLICATION
LREP BIRCH STEWART KOLASCH & BIRCH, PO BOX 747, FALLS CHURCH, VA, 22040-0747
CLMN Number of Claims: 17
ECL Exemplary Claim: 1
DRWN 3 Drawing Page(s)
LN.CNT 2046
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB A carbonaceous material having a pore size distribution, as determined from a nitrogen adsorption isotherm, in which pores with a radius of up to 10 .ANG. account for at most 70% of the total pore volume, and having a specific surface area, as measured by the nitrogen adsorption BET method, of 1-500 m.sup.2/g is optimized for the penetration of non-**aqueous** electrolyte solution to the interior thereof and the surface adsorption of ionic molecules so as to form an electrical double layer thereon. Electrical double-layer capacitors assembled using polarizable electrodes made with the carbonaceous material have a high voltage, a high energy density, a high capacitance, a long cycle life, and are amenable to miniaturization.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L14 ANSWER 20 OF 45 USPATFULL
AN 2002:224267 USPATFULL
TI Ion-sensitive, **water**-dispersible polymers, a method of making same and items using same
IN Cole, Douglas Bryan, Hortonville, WI, United States
Shah, Varsha K., Menasha, WI, United States
Bevernitz, Kurt J., Little Rock, AK, United States
Chen, Franklin M., Portland, OR, United States
Johnson, Eric D., Larsen, WI, United States
Lang, Frederick J., Neenah, WI, United States
Lindsay, Jeffrey D., Appleton, WI, United States
Rivera, Ligia A., Appleton, WI, United States
Schick, Kim G., Menasha, WI, United States
Stahl, Katherine Denise, Appleton, WI, United States
PA Kimberly-Clark Worldwide, Inc., Neenah, WI, United States (U.S. corporation)
PI US 6444214 B1 20020903
AI US 2000-564939 20000504 (9)
DT Utility
FS GRANTED
EXNAM Primary Examiner: Dees, Jose' G.; Assistant Examiner: George, Konata M.
LREP Kilpatrick Stockton LLP
CLMN Number of Claims: 10
ECL Exemplary Claim: 1
DRWN 3 Drawing Figure(s); 3 Drawing Page(s)
LN.CNT 3491
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention is directed to ion-sensitive, **water**-dispersible polymers. The present invention is also directed to a method of making ion-sensitive, **water**-dispersible polymers and their applicability as binder **compositions**. The present invention is further directed to fiber-containing fabrics and webs comprising ion-sensitive, **water**-dispersible binder **compositions** and their applicability in **water**-dispersible personal care products.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L14 ANSWER 21 OF 45 USPATFULL
AN 2002:198691 USPATFULL
TI Methods and **compositions** for poly-beta-1-4-N-acetylglucosamine cell therapy system
IN Vournakis, John N., Hanover, NH, UNITED STATES
Finkielsztein, Sergio, Chestnut Hill, MA, UNITED STATES
Pariser, Ernest R., Belmont, CA, UNITED STATES
Helton, Mike, Memphis, TN, UNITED STATES
PA Marine Polymer Technologies, Inc. (U.S. corporation)
PI US 2002106792 A1 20020808
AI US 2001-5130 A1 20011205 (10)
RLI Continuation of Ser. No. US 2001-866827, filed on 29 May 2001, PENDING Continuation of Ser. No. US 1999-227840, filed on 11 Jan 1999, ABANDONED Division of Ser. No. US 1995-471290, filed on 6 Jun 1995, PATENTED Continuation-in-part of Ser. No. US 1994-347911, filed on 1 Dec 1994, PATENTED Continuation-in-part of Ser. No. US 1993-160569, filed on 1 Dec 1993, PATENTED
DT Utility
FS APPLICATION
LREP PENNIE AND EDMONDS, 1155 AVENUE OF THE AMERICAS, NEW YORK, NY, 100362711
CLMN Number of Claims: 2
ECL Exemplary Claim: 1
DRWN 57 Drawing Page(s)
LN.CNT 3786
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention relates to a purified, easily produced poly-.beta.-1.fwdarw.4-N-acetylglucosamine (p-GlcNAc) polysaccharide species. The p-GlcNAc of the invention is a polymer of high molecular weight whose constituent monosaccharide sugars are attached in a .beta.-1.fwdarw.4 conformation, and which is **free** of proteins, and substantially **free** of single amino acids, and other organic and inorganic contaminants. In addition, **derivatives** and reformulations of p-GlcNAc are described. The present invention further relates to methods for the purification of the p-GlcNAc of the invention from microalgae, preferably diatom, starting sources. Still further, the invention relates to methods for the **derivatization** and reformulation of the p-GlcNAc. Additionally, the present invention relates to the uses of pure p-GlcNAc, its **derivatives**, and/or its reformulations.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L14 ANSWER 22 OF 45 USPATFULL
AN 2002:194926 USPATFULL
TI Ion-sensitive, **water**-dispersible polymers, a method of making same and items using same
IN Lang, Frederick J., Neenah, WI, United States
Branham, Kelly D., Winneconne, WI, United States
Chang, Yihua, Portland, OR, United States
Chen, Franklin M., Appleton, WI, United States
Johnson, Eric D., Larsen, WI, United States
Lindsay, Jeffrey D., Appleton, WI, United States
Mumick, Pavneet S., Belle Mead, NJ, United States
Pomplun, William S., West End, NC, United States
Schick, Kim G., Menasha, WI, United States
Schultz, Walter T., Appleton, WI, United States
Soerens, Dave A., Roswell, GA, United States
Sun, Tong, Neenah, WI, United States
Wang, Kenneth Y., Alpharetta, GA, United States
PA Kimberly-Clark Worldwide, Inc., Neenah, WI, United States (U.S. corporation)
PI US 6429261 B1 20020806

AI US 2000-564213 20000504 (9)
DT Utility
FS GRANTED
EXNAM Primary Examiner: Nutter, Nathan M.
LREP Kilpatrick Stockton LLP
CLMN Number of Claims: 24
ECL Exemplary Claim: 1
DRWN 3 Drawing Figure(s); 3 Drawing Page(s)
LN.CNT 3428
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention is directed to ion-sensitive, **water**-dispersible polymers. The present invention is also directed to a method of making ion-sensitive, **water**-dispersible polymers and their applicability as binder **compositions**. The present invention is further directed to fiber-containing fabrics and webs comprising ion-sensitive, **water**-dispersible binder **compositions** and their applicability in **water**-dispersible personal care products.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L14 ANSWER 23 OF 45 USPATFULL
AN 2002:191152 USPATFULL
TI Diagnostic/therapeutic agents
IN Klaveness, Jo, Oslo, NORWAY
Rongved, Pal, Oslo, NORWAY
Hogset, Anders, Oslo, NORWAY
Tolleshaug, Helge, Oslo, NORWAY
Naevestad, Anne, Oslo, NORWAY
Hellebust, Halldis, Oslo, NORWAY
Hoff, Lars, Oslo, NORWAY
Cuthbertson, Alan, Oslo, NORWAY
Lovhaug, Dagfinn, Oslo, NORWAY
Solbakken, Magne, Oslo, NORWAY
PA NYCOMED IMAGING AS (non-U.S. corporation)
PI US 2002102215 A1 20020801
AI US 2001-765614 A1 20010122 (9)
RLI Continuation of Ser. No. US 1997-960054, filed on 29 Oct 1997, PATENTED
Continuation-in-part of Ser. No. US 1997-958993, filed on 28 Oct 1997, PATENTED
PRAI GB 1996-22366 19961028
GB 1996-22367 19961028
GB 1996-22368 19961028
GB 1997-699 19970115
GB 1997-8265 19970424
GB 1997-11842 19970606
GB 1997-11846 19970606
US 1997-49264P 19970606 (60)
US 1997-49265P 19970606 (60)
US 1997-49268P 19970607 (60)
DT Utility
FS APPLICATION
LREP BACON & THOMAS, PLLC, 4th Floor, 625 Slaters Lane, Alexandria, VA, 22314-1176
CLMN Number of Claims: 37
ECL Exemplary Claim: 1
DRWN 2 Drawing Page(s)
LN.CNT 6583
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB Targetable diagnostic and/or therapeutically active agents, e.g. ultrasound contrast agents, having reporters comprising gas-filled microbubbles stabilized by monolayers of film-forming surfactants, the reporter being coupled or linked to at least one vector.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L14 ANSWER 24 OF 45 USPATFULL
AN 2002:185666 USPATFULL
TI Methods and **compositions** for poly-beta-1-4-N acetylglucosamine cell therapy system
IN Vournakis, John N., Hanover, NH, UNITED STATES
Finkielsztein, Sergio, Chestnut Hill, MA, UNITED STATES
Pariser, Ernest R., Belmont, CA, UNITED STATES
Helton, Mike, Memphis, TN, UNITED STATES
PA Marine Polymer Technologies, Inc. (U.S. corporation)
PI US 2002098579 A1 20020725
AI US 2001-5139 A1 20011205 (10)
RLI Continuation of Ser. No. US 2001-866827, filed on 29 May 2001, PENDING Continuation of Ser. No. US 1999-227840, filed on 11 Jan 1999, ABANDONED Division of Ser. No. US 1995-471290, filed on 6 Jun 1995, PATENTED Continuation-in-part of Ser. No. US 1994-347911, filed on 1 Dec 1994, PATENTED Continuation-in-part of Ser. No. US 1993-160569, filed on 1 Dec 1993, PATENTED
DT Utility
FS APPLICATION
LREP PENNIE AND EDMONDS, 1155 AVENUE OF THE AMERICAS, NEW YORK, NY, 100362711
CLMN Number of Claims: 2
ECL Exemplary Claim: 1
DRWN 57 Drawing Page(s)
LN.CNT 3794
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention relates to a purified, easily produced poly-.beta.-1.fwdarw.4-N-acetylglucosamine (p-GlcNAc) polysaccharide species. The p-GlcNAc of the invention is a polymer of high molecular weight whose constituent monosaccharide sugars are attached in a .beta.-1.fwdarw.4 conformation, and which is **free** of proteins, and substantially **free** of single amino acids, and other organic and inorganic contaminants. In addition, **derivatives** and reformulations of p-GlcNAc are described. The present invention further relates to methods for the purification of the p-GlcNAc of the invention from microalgae, preferably diatom, starting sources. Still further, the invention relates to methods for the **derivatization** and reformulation of the p-GlcNAc. Additionally, the present invention relates to the uses of pure p-GlcNAc, its **derivatives**, and/or its reformulations.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L14 ANSWER 25 OF 45 USPATFULL
AN 2002:172344 USPATFULL
TI Methods and **compositions** for poly-beta-1-4-N-acetylglucosamine cell therapy system
IN Vournakis, John N., Hanover, NH, UNITED STATES
Finkielsztein, Sergio, Chestnut Hill, MA, UNITED STATES
Pariser, Ernest R., Belmont, MA, UNITED STATES
Helton, Mike, Memphis, TN, UNITED STATES
PA Marine Polymer Technologies, Inc. (U.S. corporation)
PI US 2002091101 A1 20020711
AI US 2001-5142 A1 20011205 (10)
RLI Continuation of Ser. No. US 2001-866827, filed on 29 May 2001, PENDING Continuation of Ser. No. US 1999-227840, filed on 11 Jan 1999, ABANDONED Division of Ser. No. US 1995-471290, filed on 6 Jun 1995, PATENTED Continuation-in-part of Ser. No. US 1994-347911, filed on 1 Dec 1994, PATENTED Continuation-in-part of Ser. No. US 1993-160569, filed on 1 Dec 1993, PATENTED
DT Utility
FS APPLICATION
LREP PENNIE & EDMONDS LLP, 1155 Avenue of the Americas, New York, NY,

10036-2711
CLMN Number of Claims: 2
ECL Exemplary Claim: 1
DRWN 57 Drawing Page(s)
LN.CNT 3712
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention relates to a purified, easily produced poly-.beta.-1.fwdarw.4-N-acetylglucosamine (p-GlcNAc) polysaccharide species. The p-GlcNAc of the invention is a polymer of high molecular weight whose constituent monosaccharide sugars are attached in a .beta.-1.fwdarw.4 conformation, and which is **free** of proteins, and substantially **free** of single amino acids, and other organic and inorganic contaminants. In addition, **derivatives** and reformulations of p-GlcNAc are described. The present invention further relates to methods for the purification of the p-GlcNAc of the invention from microalgae, preferably diatom, starting sources. Still further, the invention relates to methods for the **derivatization** and reformulation of the p-GlcNAc. Additionally, the present invention relates to the uses of pure p-GlcNAc, its **derivatives**, and/or its reformulations.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L14 ANSWER 26 OF 45 USPATFULL
AN 2002:168273 USPATFULL
TI Polymer/ceramic composites
IN Armstrong, Beth L., 6817 W. Wernett Rd., Pasco, WA, United States 99301
Campbell, Allison A., 1515 W. 16th, Kennewick, WA, United States 99337
Gutowska, Anna, 450 Mateo Ct., Richland, WA, United States 99352
Song, Lin, 464 Mainmast Ct., Richland, WA, United States 99352
PI US 6417247 B1 20020709
AI US 1998-79884 19980515 (9)
PRAI US 1997-62108P 19971014 (60)
DT Utility
FS GRANTED
EXNAM Primary Examiner: Szekely, Peter
LREP Zimmerman, Paul W., May, Stephen R.
CLMN Number of Claims: 15
ECL Exemplary Claim: 1
DRWN 13 Drawing Figure(s); 12 Drawing Page(s)
LN.CNT 732
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention provides a **composition** which comprises a polymer or polymer solution that forms a gel under controlled parameters and a ceramic matrix, the **composition** being fluid under non-physiological conditions and non fluid under physiological conditions. Polymers may be resorbable or non-resorbable, natural or synthetic and the solution **aqueous** or non-**aqueous**. Preferred polymers are poly saccharides, polyamides or polyamino acids, however any polymer or polymer solution that is biologically compatible and that is fluid under nonphysiological conditions and increases in **viscosity** under physiological conditions is suitable.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L14 ANSWER 27 OF 45 USPATFULL
AN 2002:160378 USPATFULL
TI Hydrogel-forming, self-solvating absorbable polyester copolymers, and methods for use thereof
IN Shalaby, Shalaby W., Anderson, SC, United States
PA Poly-Med, Inc., Anderson, SC, United States (U.S. corporation)
PI US 6413539 B1 20020702
AI US 1998-16439 19980129 (9)
RLI Continuation-in-part of Ser. No. US 1996-740646, filed on 31 Oct 1996,

now patented, Pat. No. US 5714159
DT Utility
FS GRANTED
EXNAM Primary Examiner: Acquah, Samuel A.
LREP Nixon Peabody LLP
CLMN Number of Claims: 55
ECL Exemplary Claim: 1
DRWN 0 Drawing Figure(s); 0 Drawing Page(s)
LN.CNT 2308
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention provides novel hydrogel-forming, self-solvating, absorbable polyester copolymers capable of selective, segmental association into compliant hydrogels upon contacting an **aqueous** environment. Methods of using the novel polyester copolymers of the invention in humans are also disclosed for providing a protective barrier to prevent post-surgical adhesion, treatment of defects in conduits such as blood vessels, and controlled release of a biologically active agent for modulating cellular events such as wound healing and tissue regeneration or therapeutic treatment of diseases such as infection of the periodontium, dry socket, bone, skin, vaginal, and nail infections.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L14 ANSWER 28 OF 45 USPATFULL
AN 2002:157329 USPATFULL
TI Ion-sensitive, **water**-dispersible fabrics, a method of making same and items using same
IN Jackson, David Martin, Roswell, GA, UNITED STATES
Lang, Frederick John, Neenah, WI, UNITED STATES
Wang, Kenneth Yin, Alpharetta, GA, UNITED STATES
Zacharias, Duane, Roswell, GA, UNITED STATES
PA Kimberly-Clark Worldwide, Inc. (U.S. corporation)
PI US 2002081930 A1 20020627
AI US 2001-6825 A1 20011205 (10)
RLI Continuation-in-part of Ser. No. US 2000-564212, filed on 4 May 2000, PENDING
PRAI US 2001-318568P 20010910 (60)
DT Utility
FS APPLICATION
LREP William W. Letson, Kimberly-Clark Worldwide, Inc., Patent Department, 401 North Lake Street, Neenah, WI, 54956
CLMN Number of Claims: 52
ECL Exemplary Claim: 1
DRWN 2 Drawing Page(s)
LN.CNT 3439
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention is directed to ion-sensitive, **water**-dispersible fabric. The present invention is also directed to a method of making ion-sensitive, **water**-dispersible polymer formulations and their applicability as binder **compositions** for disposable items. The present invention is further directed to disposable items, such as wet-wipes comprising ion-sensitive, **water**-dispersible binder

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L14 ANSWER 29 OF 45 USPATFULL
AN 2002:119356 USPATFULL
TI Hydrogel particle formulation
IN O'Connor, Barbara Horsey, San Carlos, CA, UNITED STATES
Burkoth, Terry Lee, Palo Alto, CA, UNITED STATES
Prestrelski, Steven Joseph, Mountain View, CA, UNITED STATES
Maa, Yuh-Fun, Millbrae, CA, UNITED STATES

Muddle, Andrew, Oxon, UNITED KINGDOM
Hafner, Roderick, Basingstoke, UNITED KINGDOM
PI US 2002061336 A1 20020523
AI US 2001-922218 A1 20010803 (9)
PRAI WO 2000-GB349 20000203
US 1999-118334P 19990203 (60)
DT Utility
FS APPLICATION
LREP ROBINS & PASTERNAK LLP, Suite 200, 90 Middlefield Road, Menlo Park, CA, 94025
CLMN Number of Claims: 38
ECL Exemplary Claim: 1
DRWN 3 Drawing Page(s)
LN.CNT 1960
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB New **compositions** formed from the combination of an active substance with a hydrogel carrier moiety are provided. The **compositions** are suitable for use in high-velocity transdermal particle injection techniques. Methods of providing the new **compositions** are also provided. In addition, methods for administering pharmacologically active agent to a subject are provided. These methods are useful for delivering drugs, biopharmaceuticals, vaccines and diagnostics agents.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L14 ANSWER 30 OF 45 USPATFULL
AN 2002:106455 USPATFULL
TI **Compositions** and methods for treating disease utilizing a combination of radioactive therapy and cell-cycle inhibitors
IN Hunter, William L., Vancouver, CANADA
Gravett, David M., Vancouver, CANADA
Liggins, Richard T., Coquitlam, CANADA
Loss, Troy A.E., North Vancouver, CANADA
Maiti, Arpita, Vancouver, CANADA
Toleikis, Philip M., Vancouver, CANADA
PI US 2002055666 A1 20020509
AI US 2001-865195 A1 20010524 (9)
RLI Continuation-in-part of Ser. No. US 2000-712047, filed on 13 Nov 2000, PENDING
PRAI US 1999-165259P 19991112 (60)
DT Utility
FS APPLICATION
LREP SEED INTELLECTUAL PROPERTY LAW GROUP PLLC, 701 FIFTH AVE, SUITE 6300, SEATTLE, WA, 98104-7092
CLMN Number of Claims: 357
ECL Exemplary Claim: 1
DRWN 11 Drawing Page(s)
LN.CNT 9469
AB Disclosed herein are therapeutic devices, **compositions** and methods for treating proliferative diseases. For example, within one aspect of the invention therapeutic devices are provided, comprising a device that locally administers radiation and a cell-cycle inhibitor

L14 ANSWER 31 OF 45 USPATFULL
AN 2001:237691 USPATFULL
TI Methods and **compositions** for poly-beta-1-4-N-acetylglucosamine cell therapy system
IN Vournakis, John N., Hanover, NH, United States
Finkielsztein, Sergio, Chestnut Hill, MA, United States
Pariser, Ernest R., Belmont, MA, United States
Helton, Mike, Memphis, TN, United States
PA Marine Polymer Technologies, Inc. (U.S. corporation)

PI US 2001055807 A1 20011227
AI US 2001-866827 A1 20010529 (9)
RLI Continuation of Ser. No. US 1999-227840, filed on 11 Jan 1999, ABANDONED Division of Ser. No. US 1995-471290, filed on 6 Jun 1995, GRANTED, Pat. No. US 5858350 Continuation-in-part of Ser. No. US 1994-347911, filed on 1 Dec 1994, GRANTED, Pat. No. US 5623064 Continuation-in-part of Ser. No. US 1993-160569, filed on 1 Dec 1993, GRANTED, Pat. No. US 5622834
DT Utility
FS APPLICATION
LREP PENNIE AND EDMONDS, 1155 AVENUE OF THE AMERICAS, NEW YORK, NY, 100362711
CLMN Number of Claims: 2
ECL Exemplary Claim: 1
DRWN 57 Drawing Page(s)
LN.CNT 3784
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention relates to a purified, easily produced poly-.beta.-1.fwdarw.4-N-acetylglucosamine (p-GlcNAc) polysaccharide species. The p-GlcNAc of the invention is a polymer of high molecular weight whose constituent monosaccharide sugars are attached in a .beta.-1.fwdarw.4 conformation, and which is **free** of proteins, and substantially **free** of single amino acids, and other organic and inorganic contaminants. In addition, **derivatives** and reformulations of p-GlcNAc are described. The present invention further relates to methods for the purification of the p-GlcNAc of the invention from microalgae, preferably diatom, starting sources. Still further, the invention relates to methods for the **derivatization** and reformulation of the p-GlcNAc. Additionally, the present invention relates to the uses of pure p-GlcNAc, its **derivatives**, and/or its reformulations.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L14 ANSWER 32 OF 45 USPATFULL
AN 2001:208490 USPATFULL
TI Gum pad for delivery of medication to mucosal tissues
IN Yates, Alayne, 4176 Round Top Dr., Honolulu, HI, United States 96822
PI US 6319510 B1 20011120
AI US 2000-510470 20000222 (9)
PRAI US 1999-130341P 19990420 (60)
DT Utility
FS GRANTED
EXNAM Primary Examiner: Page, Thurman K.; Assistant Examiner: Ghali, Isis
LREP Chong, Leighton K.
CLMN Number of Claims: 55
ECL Exemplary Claim: 1
DRWN 13 Drawing Figure(s); 6 Drawing Page(s)
LN.CNT 1502
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The Gum Pad is a laminate composed of: (a) a synthetic **base** or backing layer which is configured to be held in place on the gingiva (gums) in the mouth; (b) an intermediate, reservoir layer for containing medication therein; and (c) a semi-permeable outer layer facing outwardly toward oral mucosal tissues in the mouth which will allow saliva to enter and dissolve the medication in the reservoir layer into solution and pass the diffused saliva-medication solution outwardly to the oral mucosal tissues. The backing layer is placed on the gum so that the semi-permeable outer layer faces outwardly toward the buccal mucosa. Saliva enters the semi-permeable layer and dissolves the medication in the reservoir layer, then diffuses outwardly through the semi-permeable layer to the mucosal tissues in the mouth where it is readily absorbed into the circulatory system. The Gum Pad can be used for the topical or systemic delivery of a wide range of pharmaceutical and nutritional agents, for the treatment of a variety of human disorders and diseases.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L14 ANSWER 33 OF 45 USPATFULL
AN 2001:165506 USPATFULL
TI Fibrous absorbent material and methods of making the same
IN Chen, Fung-jou, Appleton, WI, United States
Lindsay, Jeffrey Dean, Appleton, WI, United States
Qin, Jian, Appleton, WI, United States
Li, Yong, Appleton, WI, United States
PI US 2001024716 A1 20010927
AI US 2001-842470 A1 20010426 (9)
RLI Division of Ser. No. US 1998-83873, filed on 22 May 1998, GRANTED, Pat. No. US 6261679
DT Utility
FS APPLICATION
LREP Gregory E. Croft, Kimberly-Clark Worldwide, Inc., 401 North Lake Street, Neenah, WI, 54957-0349
CLMN Number of Claims: 114
ECL Exemplary Claim: 1
DRWN 10 Drawing Page(s)
LN.CNT 3290
AB Disclosed is a fibrous absorbent **structure** that is wet stable and has large void volume with a density below the critical density of the fiber employed. In one embodiment, the fibrous absorbent uses open-celled foam technologies to keep the fibrous **structure** expanded and bonded. In other embodiments, the resulting fibrous **structure** resembles an open-celled polymeric foam, with fibers serving as struts stabilized by binder material. In another embodiment, the resulting fibrous **structure** is filled with hydrophilic open-celled foams with the cell size substantially smaller than the fibrous pores. Such a wet-stable, high void volume fibrous absorbent can be used in a disposable product intended for the absorption of fluid such as body fluid, including extensible absorbent articles.

L14 ANSWER 34 OF 45 USPATFULL
AN 2001:116526 USPATFULL
TI Targeted ultrasound contrast agents
IN Klaveness, Jo, Oslo, Norway
Rongved, P.ang.l, Oslo, Norway
L.o slashed.vhaug, Dagfinn, Oslo, Norway
PA Nycomed Imaging AS, Oslo, Norway (non-U.S. corporation)
PI US 6264917 B1 20010724
AI US 1997-958993 19971028 (8)
PRAI GB 1996-22366 19961028
GB 1996-22367 19961028
GB 1996-22368 19961028
GB 1997-699 19970115
GB 1997-8265 19970424
GB 1997-11842 19970606
GB 1997-11846 19970606
US 1997-49264P 19970607 (60)
US 1997-49268P 19970607 (60)
DT Utility
FS GRANTED
EXNAM Primary Examiner: Hartley, Michael G.
LREP Bacon & Thomas
CLMN Number of Claims: 17
ECL Exemplary Claim: 1
DRWN 2 Drawing Figure(s); 2 Drawing Page(s)
LN.CNT 5477
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB Targetable diagnostic and/or therapeutically active agents, e.g. ultrasound contrast agents, having reporters comprising gas-filled

microbubbles stabilised by monolayers of film-forming surfactants, the reporter being coupled or linked to at least one vector.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L14 ANSWER 35 OF 45 USPATFULL
AN 2001:111948 USPATFULL
TI Fibrous absorbent material and methods of making the same
IN Chen, Fung-jou, Appleton, WI, United States
Lindsay, Jeffrey Dean, Appleton, WI, United States
Qin, Jian, Appleton, WI, United States
Li, Yong, Appleton, WI, United States
PA Kimberly-Clark Worldwide, Inc., Neenah, WI, United States (U.S. corporation)
PI US 6261679 B1 20010717
AI US 1998-83873 19980522 (9)
DT Utility
FS GRANTED
EXNAM Primary Examiner: Lovering, Richard D.
LREP Croft, Gregory E.
CLMN Number of Claims: 87
ECL Exemplary Claim: 1
DRWN 12 Drawing Figure(s); 10 Drawing Page(s)
LN.CNT 3288
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB Disclosed is a fibrous absorbent **structure** that is wet stable and has large void volume with a density below the critical density of the fiber employed. In one embodiment, the fibrous absorbent uses open-celled foam technologies to keep the fibrous **structure** expanded and bonded. In other embodiments, the resulting fibrous **structure** resembles an open-celled polymeric foam, with fibers serving as struts stabilized by binder material. In another embodiment, the resulting fibrous **structure** is filled with hydrophilic open-celled foams with the cell size substantially smaller than the fibrous pores. Such a wet-stable, high void volume fibrous absorbent can be used in a disposable product intended for the absorption of fluid such as body fluid, including extensible absorbent articles.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L14 ANSWER 36 OF 45 USPATFULL
AN 2001:111808 USPATFULL
TI Diagnostic/therapeutic agents having microbubbles coupled to one or more vectors
IN Klaveness, Jo, Oslo, Norway
Rongved, P.ang.l, Oslo, Norway
H.o slashed.gset, Anders, Oslo, Norway
Tolleshaug, Helge, Oslo, Norway
N.ae butted.vestad, Anne, Oslo, Norway
Hellebust, Halldis, Oslo, Norway
Hoff, Lars, Oslo, Norway
Cuthbertson, Alan, Oslo, Norway
L.o slashed.vhaug, Dagfinn, Oslo, Norway
Solbakken, Magne, Oslo, Norway
PA Nycomed Imaging AS, Oslo, Norway (non-U.S. corporation)
PI US 6261537 B1 20010717
AI US 1997-960054 19971029 (8)
RLI Continuation-in-part of Ser. No. US 1997-958993, filed on 28 Oct 1997
PRAI GB 1996-22366 19961028
GB 1996-22367 19961028
GB 1996-22368 19961028
GB 1997-699 19970115
GB 1997-8265 19970424
GB 1997-11842 19970606

GB 1997-11846 19970606
US 1997-49264P 19970607 (60)
US 1997-49265P 19970607 (60)
US 1997-49268P 19970607 (60)
DT Utility
FS GRANTED
EXNAM Primary Examiner: Hartley, Michael G.
LREP Bacon & Thomas, Fichter, Richard E.
CLMN Number of Claims: 22
ECL Exemplary Claim: 1
DRWN 2 Drawing Figure(s); 2 Drawing Page(s)
LN.CNT 5614
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB Targetable diagnostic and/or therapeutically active agents, e.g. ultrasound contrast agents, having reporters comprising gas-filled microbubbles stabilised by monolayers of film-forming surfactants, the reporter being coupled or linked to at least one vector.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L14 ANSWER 37 OF 45 USPATFULL
AN 2001:71071 USPATFULL
TI Methods for ultrasound imaging involving the use of a contrast agent and multiple images and processing of same
IN Unger, Evan C., Tucson, AZ, United States
Fritz, Thomas A., Tucson, AZ, United States
Gertz, Edward W., Paradise Valley, AZ, United States
PA ImaRx Pharmaceutical Corp., Tucson, AZ, United States (U.S. corporation)
PI US 6231834 B1 20010515
AI US 1997-982829 19971202 (8)
RLI Continuation-in-part of Ser. No. US 1997-932273, filed on 17 Sep 1997 Continuation-in-part of Ser. No. US 1996-666129, filed on 19 Jun 1996, now patented, Pat. No. US 6033645 Continuation-in-part of Ser. No. US 1996-660032, filed on 6 Jun 1996, now abandoned Continuation-in-part of Ser. No. US 1996-640464, filed on 1 May 1996, now abandoned Continuation-in-part of Ser. No. US 1995-497684, filed on 7 Jun 1995, now abandoned
DT Utility
FS Granted
EXNAM Primary Examiner: Hollinden, Gary E.
LREP Woodcock Washburn Kurtz Mackiewicz & Norris LLP
CLMN Number of Claims: 115
ECL Exemplary Claim: 1
DRWN 2 Drawing Figure(s); 2 Drawing Page(s)
LN.CNT 7574
AB Improved methods for providing an image of an internal region of a patient. Embodiments of the invention involve the administration to the patient of a contrast agent which comprises, in an **aqueous** carrier, a lipid, protein, polymer or surfactant, and a gas. The patient is scanned using ultrasound imaging to obtain a visible image of the region. In embodiments of the invention, the scanning step may comprise applying a first quantity of ultrasound energy to the patient to provide a first image, followed by the application substantially immediately thereafter of a second quantity of ultrasound energy to provide a second image. The first and second images are then processed. The methods are particularly useful for obtaining on-line images of the cardiovascular region which may be employed, for example, to diagnose the presence of diseased tissue in the cardiovascular region of a patient.

L14 ANSWER 38 OF 45 USPATFULL
AN 2001:18274 USPATFULL
TI Isolation and purification of eubacteria and fungus with catalytically inactive murein binding enzymes

IN Laine, Roger A., Baton Rouge, LA, United States
Lo, Wai Chun.Jennifer, Baton Rouge, LA, United States
PA Anomeric, Inc., Baton Rouge, LA, United States (U.S. corporation)
Board of Supervisors Louisiana State University, Baton Rouge, LA, United States (U.S. corporation)
PI US 6184027 B1 20010206
AI US 1999-262419 19990304 (9)
RLI Continuation-in-part of Ser. No. US 1997-823293, filed on 21 Mar 1997, now patented, Pat. No. US 5935804
DT Utility
FS Granted
EXNAM Primary Examiner: Weber, Jon P.
LREP Sundsmo, John S.BioMedPatent.com
CLMN Number of Claims: 8
ECL Exemplary Claim: 1
DRWN 30 Drawing Figure(s); 11 Drawing Page(s)
LN.CNT 3946
AB Catalytically inactive murein binding enzyme diagnostic reagents and methods and kits for detecting eubacteria and fungus in biological samples.

L14 ANSWER 39 OF 45 USPATFULL
AN 2000:145865 USPATFULL
TI Targeted contrast agents for diagnostic and therapeutic use
IN Unger, Evan C., Tucson, AZ, United States
Fritz, Thomas A., Tucson, AZ, United States
Gertz, Edward W., Paradise Valley, AZ, United States
PA ImaRx Pharmaceutical Corp., Tucson, AZ, United States (U.S. corporation)
PI US 6139819 20001031
AI US 1997-932273 19970917 (8)
RLI Continuation-in-part of Ser. No. US 1996-660032, filed on 6 Jun 1996, now abandoned which is a continuation-in-part of Ser. No. US 1996-640464, filed on 1 May 1996, now abandoned which is a continuation-in-part of Ser. No. US 1995-497684, filed on 7 Jun 1995, now abandoned And a continuation-in-part of Ser. No. US 1996-666129, filed on 19 Jun 1996, now patented, Pat. No. US 6033645
DT Utility
FS Granted
EXNAM Primary Examiner: Dees, Jose' G.; Assistant Examiner: Hartley, Michael G.
LREP Woodcock Washburn Kurtz Mackiewicz & Norris LLP
CLMN Number of Claims: 174
ECL Exemplary Claim: 1
DRWN 1 Drawing Figure(s); 1 Drawing Page(s)
LN.CNT 7523
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB Novel contrast agents which may be used for diagnostic and therapeutic use. The **compositions** may comprise a lipid, a protein, polymer and/or surfactant, and a gas, in combination with a targeting ligand. In preferred embodiments, the targeting ligand targets coagula, including emboli and/or thrombi, particularly in patients suffering from an arrhythmic disorder. The contrast media can be used in conjunction with diagnostic imaging, such as ultrasound, as well as therapeutic applications, such as therapeutic ultrasound.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L14 ANSWER 40 OF 45 USPATFULL
AN 1999:4023 USPATFULL
TI Methods and **compositions** for poly-.beta.-1.fwdarw.4-N-acetylglucosamine cell therapy system
IN Vournakis, John N., Hanover, NH, United States
Finkielsztein, Sergio, Chestnut Hill, MA, United States

Pariser, Ernest R., Belmont, MA, United States
Helton, Mike, Memphis, TN, United States
PA Marine Polymer Technologies, Danvers, MA, United States (U.S. corporation)
PI US 5858350 19990112
AI US 1995-471290 19950606 (8)
RLI Continuation-in-part of Ser. No. US 1994-347911, filed on 1 Dec 1994, now patented, Pat. No. US 5623064 which is a continuation-in-part of Ser. No. US 1993-160569, filed on 1 Dec 1993, now patented, Pat. No. US 5622834
DT Utility
FS Granted
EXNAM Primary Examiner: Lankford, Jr., Leon B.; Assistant Examiner: Tate, Christopher R.
LREP Pennie & Edmonds
CLMN Number of Claims: 18
ECL Exemplary Claim: 1
DRWN 73 Drawing Figure(s); 58 Drawing Page(s)
LN.CNT 3953
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention relates to a purified, easily produced poly-.beta.-1.fwdarw.4-N-acetylglucosamine (p-GlcNAc) polysaccharide species. The p-GlcNAc of the invention is a polymer of high molecular weight whose constituent monosaccharide sugars are attached in a .beta.-1.fwdarw.4 conformation, and which is **free** of proteins, and substantially **free** of single amino acids, and other organic and inorganic contaminants. In addition, **derivatives** and reformulations of p-GlcNAc are described. The present invention further relates to methods for the purification of the p-GlcNAc of the invention from microalgae, preferably diatom, starting sources. Still further, the invention relates to methods for the **derivatization** and reformulation of the p-GlcNAc. Additionally, the present invention relates to the uses of pure p-GlcNAc, its **derivatives**, and/or its reformulations.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L14 ANSWER 41 OF 45 USPATFULL
AN 1998:154260 USPATFULL
TI Methods and **compositions** for poly-.beta.-1-4-N-acetylglucosamine drug delivery
IN Vournakis, John N., Hanover, NH, United States
Finkielsztein, Sergio, Chestnut Hill, MA, United States
Pariser, Ernest R., Belmont, MA, United States
Helton, Mike, Memphis, TN, United States
PA Marine Polymer Technologies, Inc., Danvers, MA, United States (U.S. corporation)
PI US 5846952 19981208
AI US 1995-470077 19950606 (8)
RLI Continuation-in-part of Ser. No. US 1994-347911, filed on 1 Dec 1994 which is a continuation-in-part of Ser. No. US 1993-160569, filed on 1 Dec 1993
DT Utility
FS Granted
EXNAM Primary Examiner: Kight, John; Assistant Examiner: Fonda, Kathleen Kahler
LREP Pennie & Edmonds
CLMN Number of Claims: 18
ECL Exemplary Claim: 1
DRWN 73 Drawing Figure(s); 58 Drawing Page(s)
LN.CNT 4101
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention relates to a purified, easily produced poly-.beta.-1.fwdarw.4-N-acetylglucosamine (p-GlcNAc) polysaccharide

species useful in drug **compositions**. The p-GlcNAc of the invention is a polymer of high molecular weight whose constituent monosaccharide sugars are attached in a .beta.1.fwdarw.4 conformation, and which is **free** of proteins, and substantially **free** of single amino acids, and other organic and inorganic contaminants. In addition, **derivatives** and reformulations of p-GlcNAc are described. The present invention further relates to methods for the purification of the p-GlcNAc of the invention from microalgae, preferably diatom, starting sources. Still further, the invention relates to methods for the **derivatization** and reformulation of the p-GlcNAc. Additionally, the present invention relates to the uses of pure p-GlcNAc, its **derivatives**, and/or its reformulations.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L14 ANSWER 42 OF 45 USPATFULL
AN 97:104147 USPATFULL
TI Poly-.beta.-1.fwdarw.4-N-acetylucosamine copolymer **composition** with collagen
IN Vournakis, John N., Hanover, NH, United States
Finkielsztein, Sergio, Chestnut Hill, MA, United States
Pariser, Ernest R., Belmont, MA, United States
Helton, Mike, Memphis, TN, United States
PA Marine Polymer Technologies, Inc., Danvers, MA, United States (U.S. corporation)
PI US 5686115 19971111
AI US 1995-470912 19950606 (8)
RLI Continuation-in-part of Ser. No. US 1994-347911, filed on 1 Dec 1994, now patented, Pat. No. US 5623064 which is a continuation-in-part of Ser. No. US 1993-160569, filed on 1 Dec 1993, now patented, Pat. No. US 5622834
DT Utility
FS Granted
EXNAM Primary Examiner: Kight, John; Assistant Examiner: Fonda, Kathleen Kahler
LREP Pennie & Edmonds
CLMN Number of Claims: 20
ECL Exemplary Claim: 1
DRWN 72 Drawing Figure(s); 58 Drawing Page(s)
LN.CNT 4073
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention relates to a purified, easily produced poly-.beta.-1.fwdarw.4-N-acetylglucosamine (p-GlcNAc) polysaccharide species useful in collagen copolymers. The p-GlcNAc of the invention is a polymer of high molecular weight whose constituent monosaccharide sugars are attached in a .beta.-1.fwdarw.4 conformation, and which is **free** of proteins, and substantially **free** of single amino acids, and other organic and inorganic contaminants. In addition, **derivatives** and reformulations of p-GlcNAc are described. The present invention further relates to methods for the purification of the p-GlcNAc of the invention from microalgae, preferably diatom, starting sources. Still further, the invention relates to methods for the **derivatization** and reformulation of the p-GlcNAc. Additionally, the present invention relates to the uses of pure p-GlcNAc, its **derivatives**, and/or its reformulations.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L14 ANSWER 43 OF 45 USPATFULL
AN 97:47398 USPATFULL
TI Methods and **compositions** for poly-.beta.-1-4-N-acetylglucosamine chemotherapeutics
IN Vournakis, John N., Hanover, NH, United States
Finkielsztein, Sergio, Chestnut Hill, MA, United States

Pariser, Ernest R., Belmont, MA, United States
Helton, Mike, Memphis, TN, United States
PA Marine Polymer Technologies, Inc., Danvers, MA, United States (U.S. corporation)
PI US 5635493 19970603
AI US 1995-471545 19950606 (8)
RLI Continuation-in-part of Ser. No. US 1994-347911, filed on 1 Dec 1994 which is a continuation-in-part of Ser. No. US 1993-160569, filed on 1 Dec 1993
DT Utility
FS Granted
EXNAM Primary Examiner: Kight, John; Assistant Examiner: Fonda, Kathleen Kahler
LREP Pennie & Edmonds
CLMN Number of Claims: 16
ECL Exemplary Claim: 1
DRWN 73 Drawing Figure(s); 58 Drawing Page(s)
LN.CNT 3937
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention relates to a purified, easily produced poly-.beta.-1.fwdarw.4-N-acetylglucosamine (p-GlcNAc) polysaccharide species useful in drug **compositions**. The p-GlcNAc of the invention is a polymer of high molecular weight whose constituent monosaccharide sugars are attached in a .beta.-1.fwdarw.4 conformation, and which is **free** of proteins, and substantially **free** of single amino acids, and other organic and inorganic contaminants. In addition, **derivatives** and reformulations of p-GlcNAc are described. The present invention further relates to methods for the purification of the p-GlcNAc of the invention from microalgae, preferably diatom, starting sources. Still further, the invention relates to methods for the **derivatization** and reformulation of the p-GlcNAc. Additionally, the present invention relates to the uses of pure p-GlcNAc, its **derivatives**, and/or its reformulations.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L14 ANSWER 44 OF 45 USPATFULL
AN 97:35944 USPATFULL
TI Methods and **compositions** for poly-.beta.-1-4-N-acetylglucosamine biological barriers
IN Vournakis, John N., Hanover, NH, United States
Finkielsztein, Sergio, Chestnut Hill, MA, United States
Pariser, Ernest R., Belmont, MA, United States
Helton, Mike, Memphis, TN, United States
PA Marine Polymer Technologies, Inc., Danvers, MA, United States (U.S. corporation)
PI US 5624679 19970429
AI US 1995-470083 19950606 (8)
RLI Continuation-in-part of Ser. No. US 1994-347911, filed on 1 Dec 1994 which is a continuation-in-part of Ser. No. US 1993-160569, filed on 1 Dec 1993
DT Utility
FS Granted
EXNAM Primary Examiner: Kight, John; Assistant Examiner: Fonda, Kathleen Kahler
LREP Pennie & Edmonds
CLMN Number of Claims: 14
ECL Exemplary Claim: 1
DRWN 74 Drawing Figure(s); 58 Drawing Page(s)
LN.CNT 4072
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention relates to a purified, easily produced poly-.beta.-1.fwdarw.4-N-acetylglucosamine (p-GlcNAc) polysaccharide species. The p-GlcNAc of the invention is a polymer of high molecular

weight whose constituent monosaccharide sugars are attached in a .beta.-1.fwdarw.4 conformation, and which is **free** of proteins, and substantially **free** of single amino acids, and other organic and inorganic contaminants. In addition, **derivatives** and reformulations of p-GlcNAc are described. The present invention further relates to methods for the purification of the p-GlcNAc of the invention from microalgae, preferably diatom, starting sources. Still further, the invention relates to methods for the **derivatization** and reformulation of the p-GlcNAc. Additionally, the present invention relates to the uses of pure p-GlcNAc, its **derivatives**, and/or its reformulations.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L14 ANSWER 45 OF 45 USPATFULL
AN 97:33859 USPATFULL
TI Poly-.beta.-1.fwdarw.-4-N-acetylglucosamine
IN Vournakis, John N., Hanover, NH, United States
Finkielsztein, Sergio, Chestnut Hill, MA, United States
Pariser, Ernest R., Belmont, MA, United States
Helton, Mike, Memphis, TN, United States
PA Marine Polymer Technologies, Inc., Danvers, MA, United States (U.S. corporation)
PI US 5623064 19970422
AI US 1994-347911 19941201 (8)
RLI Continuation-in-part of Ser. No. US 1993-160569, filed on 1 Dec 1993
DT Utility
FS Granted
EXNAM Primary Examiner: Kight, John; Assistant Examiner: Fonda, Kathleen Kahler
LREP Pennie & Edmonds
CLMN Number of Claims: 36
ECL Exemplary Claim: 1
DRWN 71 Drawing Figure(s); 56 Drawing Page(s)
LN.CNT 3532
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention relates to a purified, easily produced poly-.beta.-1.fwdarw.4-N-acetylglucosamine (p-GlcNAc) polysaccharide species. The p-GlcNAc of the invention is a polymer of high molecular weight whose constituent monosaccharide sugars are attached in a .beta.-1.fwdarw.4 conformation, and which is **free** of proteins, and substantially **free** of single amino acids, and other organic and inorganic contaminants. In addition, **derivatives** and reformulations of p-GlcNAc are described. The present invention further relates to methods for the purification of the p-GlcNAc of the invention from microalgae, preferably diatom, starting sources. Still further, the invention relates to methods for the **derivatization** and reformulation of the p-GlcNAc. Additionally, the present invention relates to the uses of pure p-GlcNAc, its **derivatives**, and/or its reformulations.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

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(FILE 'HOME' ENTERED AT 15:42:23 ON 01 APR 2003)

INDEX 'APOLLIT, BABS, CAPLUS, CBNB, CEN, CIN, EMA, IFIPAT, JICST-EPLUS, PASCAL, PLASNEWS, PROMT, RAPRA, SCISEARCH, TEXTILETECH, USPATFULL, USPAT2, WPIDS, WPINDEX, WTEXTILES' ENTERED AT 15:42:40 ON 01 APR 2003
SEA CHITOSAN
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886 FILE APOLLIT

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              371   FILE BABS
            14000   FILE CAPLUS
              139   FILE CBNB
                9   FILE CEN
              120   FILE CIN
               35   FILE EMA
             1659   FILE IFIPAT
             2450   FILE JICST-EPLUS
             2923   FILE PASCAL
              561   FILE PROMT
              602   FILE RAPRA
             4724   FILE SCISEARCH
              334   FILE TEXTILETECH
             5774   FILE USPATFULL
              199   FILE USPAT2
             4777   FILE WPIDS
             4777   FILE WPINDEX
              250   FILE WTEXTILES
L1               QUE CHITOSAN
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                 SEA L1 AND (AQUEOUS OR WATER)
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              381   FILE APOLLIT
              113   FILE BABS
             4974   FILE CAPLUS
               28   FILE CBNB
                5   FILE CEN
               20   FILE CIN
                7   FILE EMA
             1035   FILE IFIPAT
              584   FILE JICST-EPLUS
             1004   FILE PASCAL
              198   FILE PROMT
              274   FILE RAPRA
             1455   FILE SCISEARCH
              121   FILE TEXTILETECH
             5580   FILE USPATFULL
              198   FILE USPAT2
             2588   FILE WPIDS
             2588   FILE WPINDEX
               71   FILE WTEXTILES
L2               QUE L1 AND (AQUEOUS OR WATER)
                 ---------
                 SEA L2 AND VISCO?
                 ---------
               48   FILE APOLLIT
                9   FILE BABS
              448   FILE CAPLUS
                1   FILE CBNB
                2   FILE CEN
              151   FILE IFIPAT
               28   FILE JICST-EPLUS
              125   FILE PASCAL
               30   FILE PROMT
               28   FILE RAPRA
              149   FILE SCISEARCH
               18   FILE TEXTILETECH
             3095   FILE USPATFULL
              103   FILE USPAT2
              297   FILE WPIDS
              297   FILE WPINDEX
                9   FILE WTEXTILES
L3               QUE L2 AND VISCO?
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                SEA L3 AND (CROSSLINK? OR CROSS-LINK? AND FREE)
                ---------
               12   FILE APOLLIT
               43   FILE CAPLUS
                1   FILE CEN
               26   FILE IFIPAT
                2   FILE JICST-EPLUS
                8   FILE PASCAL
                9   FILE PROMT
                4   FILE RAPRA
               10   FILE SCISEARCH
                1   FILE TEXTILETECH
             1681   FILE USPATFULL
               52   FILE USPAT2
               30   FILE WPIDS
               30   FILE WPINDEX
L4              QUE L3 AND (CROSSLINK? OR CROSS-LINK? AND FREE)
                ---------
                SEA L4 AND PRECIPIT?
                ---------
                1   FILE APOLLIT
                4   FILE CAPLUS
                4   FILE IFIPAT
                2   FILE PASCAL
                1   FILE PROMT
                2   FILE SCISEARCH
              918   FILE USPATFULL
               28   FILE USPAT2
                3   FILE WPIDS
                3   FILE WPINDEX
L5              QUE L4 AND PRECIPIT?
                ---------
                SEA L5 AND (CARBONATE OR PHOSPHATE OR HYDROXIDE AMMONIA OR BASE
                ---------
                3   FILE IFIPAT
                1   FILE PROMT
              877   FILE USPATFULL
               28   FILE USPAT2
                3   FILE WPIDS
                3   FILE WPINDEX
L6              QUE L5 AND (CARBONATE OR PHOSPHATE OR HYDROXIDE AMMONIA OR BASE
                ---------
                SEA L6 AND (DIMENSION OR PH)
                ---------
                3   FILE IFIPAT
                1   FILE PROMT
              804   FILE USPATFULL
               25   FILE USPAT2
                3   FILE WPIDS
                3   FILE WPINDEX
L7              QUE L6 AND (DIMENSION OR PH)
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     FILE 'USPATFULL' ENTERED AT 15:54:08 ON 01 APR 2003
L8          746 S L7 AND COMPOSITION
L9          405 S L8 AND (CATIONIC? AND DERIVAT?)
L10           1 S L9 AND (CROSSLINK (W) FREE OR CROSSLINK-FREE OR CROSSLINKER-F
L11         124 S L9 AND (STRUCT? AND THREE (W) DIMENSIO?)
L12         123 S L11 AND PROCESS
L13         122 S L12 AND PH
L14          45 S L13 AND (FREEZE AND DRYING OR FREEZE-DRYING OR FREEZE (W) DRY
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FILE 'USPATFULL' ENTERED AT 15:54:08 ON 01 APR 2003

L8 746 S L7 AND COMPOSITION
L9 405 S L8 AND (CATIONIC? AND DERIVAT?)
L10 1 S L9 AND (CROSSLINK (W) FREE OR CROSSLINK-FREE OR CROSSLINKER-F
L11 124 S L9 AND (STRUCT? AND THREE (W) DIMENSIO?)
L12 123 S L11 AND PROCESS
L13 122 S L12 AND PH
L14 45 S L13 AND (FREEZE AND DRYING OR FREEZE-DRYING OR FREEZE (W) DRY

FILE 'CAPLUS' ENTERED AT 16:00:50 ON 01 APR 2003

L15 0 S L14